



pg.**01**

Drop Cable

Distribution Optical Cable & Copper Cable

pg.**03**

pg. **10**

Fiber Optic & Copper Accessories

Closure & Casing

pg. 20

pg.**41**

Fiber Optic Tester & Tool Kits

Accreditations

pg. 42



Annexecom is a leading ICT and Telecommunication products provider in Malaysia for more than 10 years. Since established, the company aims at providing the best products with best service, we strongly emphasize on quality of both products and service.

25 YEARS WARRANT

WIDE RANGE OF PRODUCTS

Annexecom provides wide range of ICT solutions products includes Fiber Optic Cable, Fiber Management System, Fiber Test Equipment and other related accessories.

Annexecom provides fiber optic products and solutions to a variety of industries such as Telecommunications, Infrastructure, Enterprise and Industrial - including Government, Banking & Finance, Defence, Oil & Gas, Education, Transport, Hospital, Contractors & etc.

QUALITY ASSURANCE

Under strict quality control system, we received customers' trust on advanced technology, supreme quality and satisfactory services. We have dedicated teams to be responsible for internal quality monitoring and products systemic upgrading, and also be responsible for technical support and service maintenance.

All products will be verified from the stage when raw materials input, and continuous monitoring till it actives in the site. We keep upholding the principal to provide up-to-date and high quality products for customers both at home and abroad.

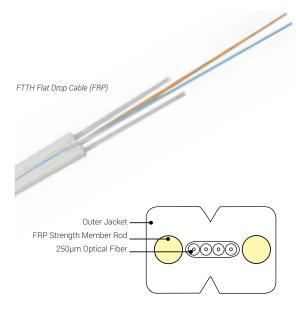
COMPETITIVE EDGE

With years of experience in the industry, we are capable of providing and delivering products in a timely manner. Significant investment in technology advancement, effective collaboration with key partners and refined manufacturing process allows Annexecom to offer industry leading turnaround from design to manufacture and delivery.

Annexecom sets itself apart from the competition by working closely with our clients to ensure we meet or exceed any project delivery and budget requirements.



FTTH Indoor Drop Cable



FEATURES

- The structure is 1-4 coloured fibers combined with two FRP.
- Special low-bend sensitivity fiber provides high bandwidth and excellent communication transmission property.
- Two parallel strength members ensure good performance of crush resistance to protect the fiber.
- Simple structure, light weight and high practicability.
- Novel flute design, easily strip and splice, simplify the installation and maintenance.
- White colour for indoor use, LZSH material for outer jacket.

TECHNICAL CHARACTERISTIC

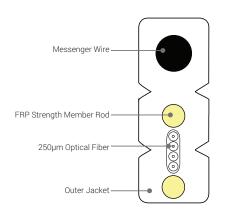
Parameter	UОМ	Val	ue
Fiber count		1~-	4F
Outer diameter	mm	3.1x1.9	5.0x2.0
Insertion loss	dB/km	SM: ≤0.4@131	0nm, ≤0.3@1550nm
		MM: ≤3.5@850	nm, ≤1.5@1300nm
Long term tensile strength	N	40	300
Short term tensile strength	N	80	600
Minimum static bending radius	mm	19	20
Minimum dynamic bending radius	mm	38	40
Long term crush resistance	N	500	1000
Short term crush resistance	N	1000	2200
Storage temperature	°C	-20~	+60
Operating temperature	°C	-20~	+60
Cable weight	kg/km	9	20
Reel dimension (4km/reel)	WxDia. (mm)	445x600	445x600
Reel weight	Kg	6.82	6.82

Part No.	Fiber count	Fiber Type	Core Diameter
ANX-IDC = Annexecom Indoor Drop Cable	01 = 1 02 = 2 04 = 4	SM = Single Mode 0S1 / 0S2	9 = 9µm
		MM = Multi Mode OM1 / OM2 / OM3 / OM4 / OM5	3 = OM3 (50µm) 4 = OM4 (50µm) 5 = OM2 (50µm) 6 = OM1 (62.5µm) 7 = OM5 (50µm)
ANX-IDC	xx	уу	Z



FTTH Outdoor Drop Cable





FEATURES

- The structure is 1-4 coloured fibers combined with two FRP + one Steel Wire.
- Special low-bend sensitivity fiber provides high bandwidth and excellent communication transmission property.
- Two parallel strength members ensure good performance of crush resistance to protect the fiber.
- Simple structure, light weight and high practicability.
- Novel flute design, easily strip and splice, simplify the installation and maintenance.
- Black colour for outdoor use, LZSH material for jacket.

TECHNICAL CHARACTERISTIC

Parameter	UOM	Va	lue		
Fiber count		1~4F			
Outer diameter	mm	3.1x1.9	5.0x2.0		
Insertion loss	dB/km	SM: ≤0.4@131	0nm, ≤0.3@1550nm		
		MM: ≤3.5@850	0nm, ≤1.5@1300nm		
Long term tensile strength	N	40	300		
Short term tensile strength	N	80	600		
Minimum static bending radius	mm	19	20		
Minimum dynamic bending radius	mm	38	40		
Long term crush resistance	N	500	1000		
Short term crush resistance	N	1000	2200		
Storage temperature	°C	-20~	·+60		
Operating temperature	°C	-20~	+60		
Cable weight	kg/km	9	20		
Reel dimension (4km/reel)	WxDia. (mm)	445	x600		
Reel weight	Kg	6.	82		

Part No.	Fiber count	Fiber Type	Core Diameter
ANX-ODC = Annexecom Outdoor Drop Cable	01 = 1 02 = 2 04 = 4	SM = Single Mode OS1 / OS2	9 = 9µm
		MM = Multi Mode OM1 / OM2 / OM3 OM4 / OM5	3 = OM3 4 = OM4 5 = 50µm 6 = 62.5µm 7 = OM5
ANX-ODC	XX	уу	z



Indoor Distribution Tight Buffer Optical Cable





FEATURES

- High strength aramid yarn ensures high tensile strength and long-term stability in transmission.
- It possess the properties of small outer diameter, lightweight, flame-retardant, easy to strip, low attenuation, physically soft.
- It allows direct splicing between tight-buffered cables without the need to go through patch panel and pigtails.
- It's suitable for installation and operation and also convenient for maintenance.

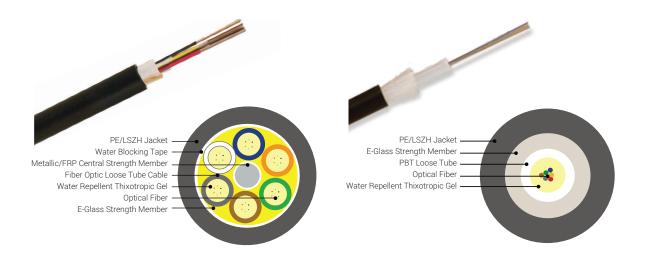
TECHNICAL CHARACTERISTIC

Parameter	UOM				,	Value			
Fiber core		4	6	8	12	16	24	36	48
Normal weight	kg/km	19	23	29	33	53	60	60	60
Outer diameter	mm	4.6	5.0	6.2	6.8	7.4	8.0	8.4	8.6
Normal drum dimensions	mm	630	630	760	760	760	900	900	900
Drum weight	kg/pcs	25	25	25	33	33	54	54	60
Long term tensile strength	N	130	130	130	130	200	240	220	220
Short term tensile strength	N	440	440	440	440	600	720	660	660
Minimum static bending radius		10D	10D	10D	10D	10D	10D	10D	10D
Minimum dynamic bending radius		20D	20D	20D	20D	20D	20D	20D	20D
Long term crush resistance	N	200	200	200	200	200	200	200	200
Short term crush resistance	N	1000	1000	1000	1000	1000	1000	1000	1000
OS1/2 OM1 9/125 62 5/125	OM 50/1	_	_	M3 0/125		OM4 50/12		_	M5 /125

Part No.	Fiber count	Fiber Type	Core Diameter
ANX-ITB = Annexecom Indoor Tight Buffer	001 = 1 002 = 2 004 = 4	SM = Single Mode OS1 / OS2	9 = 9µm
	006 = 6 008 = 8 012 = 12 016 = 16 024 = 24 048 = 48 072 = 72	MM = Multi Mode OM1 / OM2 / OM3 OM4 / OM5	3 = OM3 (50µm) 4 = OM4 (50µm) 5 = OM2 (50µm) 6 = OM1 (62.5µm) 7 = OM5 (50µm)
ANX-ITB	xxx	уу	z



Single & Multi Loose Tube Optical Non-Metallic Duct Cable



TECHNICAL CHARACTERISTIC

Parameter	UOM	Value							
		Single Loos	e Tube	Multi Loose	Tube				
Fiber core		4~12F	24F	24~48F	72F	96F	144F		
Outer diameter	mm	6.8 ±0.3	8.0 ±0.3	9.8 ±0.5	10.5 ±0.5	12.0 ±0.5	15.0 ±0.5		
Insertion loss	dB/km		SM: ≤0.4@1310nm, ≤0.3@1550nm MM: ≤3.5@850nm, ≤1.5@1300nm						
Long term tensile strength	N	400	500	600	600	600	800		
Short term tensile strength	N	1000	1500	1500	1500	2000	2500		
Long term crush resistance	N	300	300	300	300	300	300		
Short term crush resistance	N	1000	1000	1000	1000	1000	1000		
Storage temperature	°C	-40 ~ +70	-40 ~ +70	-40 ~ +70	-40 ~ +70	-40 ~ +70	-40 ~ +70		
Operating temperature	°C	-40 ~ +70	-40 ~ +70	-40 ~ +70	-40 ~ +70	-40 ~ +70	-40 ~ +70		
Cable weight	kg/km	42	79	88	102	136	180		
Reel dimension (2km/reel)	WxDia. (mm)	550x700	550x750	550x850	550x950	800x1000	800x1150		
Reel weight	kg	14	25	30	42	45	50		

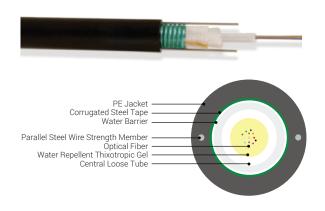
FEATURES

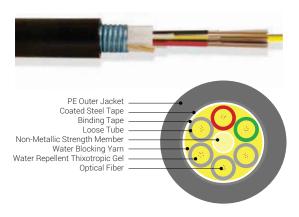
- Accurate fiber excess length ensures good mechanical and temperature performance.
- High strength loose tube that is hydrolysis resistant and special tube filling compound ensure a critical protection of fiber.
- Specially designed compact structure is good at preventing loose tubes from shrinking.
- The loose tubes and all interstices of cable core filled with moisture-proof and water blocking compound ensure no longitudinal water ingress.
- Polyethylene outer jacket can resist deterioration from ultra-violet (UV) rays.

Part No.	Fiber count	Fiber Type	Core Diameter
ANX-ONM = Annexecom Optical Non-Metallic Duct Cable	001 = 1 002 = 2 004 = 4	SM = Single Mode OS1 / OS2	9 = 9µm
	006 = 6 008 = 8 012 = 12 016 = 16 024 = 24 048 = 48 072 = 72 144 = 144	MM = Multi Mode OM1 / OM2 / OM3 OM4 / OM5	3 = OM3 (50μm) 4 = OM4 (50μm) 5 = OM2 (50μm) 6 = OM1 (62.5μm) 7 = OM5 (50μm)
ANX-ONM	xxx	уу	z



Uni- & Multi-tube Corrugated Steel Wire Armored Optical Cable





TECHNICAL CHARACTERISTIC

Parameter	UOM	Value								
		Single Loose	Tube	Multi Loose T	Multi Loose Tube					
Fiber core		4~8F	12~24F	24~60	72	96	120	144		
Outer diameter	mm	8.0 ±0.3	8.8 ±0.3	10.5 ±0.5	11.5 ±0.5	13.5 ±0.5	15.8 ±0.5	15.8 ±0.5		
Insertion loss	dB/km		SM: ≤0.4@1310nm, ≤0.3@1550nm MM: ≤3.5@850nm, ≤1.5@1300nm		n, ≤0.3@1550nm , ≤1.0@1300nm					
Long term tensile strength	N	500	500	600	600	600	600	800		
Short term tensile strength	N	1500	1800	1500	1500	1500	2000	2500		
Long term crush resistance	N	1000	1000	300	300	300	300	300		
Short term crush resistance	N	3000	3000	1000	1000	1000	1000	1000		
Storage temperature	°C	-40 ~ +70	-40 ~ +70	-40 ~ +70	-40 ~ +70	-40 ~ +70	-40 ~ +70	-40 ~ +70		
Operating temperature	°C	-40 ~ +70	-40 ~ +70	-40 ~ +70	-40 ~ +70	-40 ~ +70	-40 ~ +70	-40 ~ +70		
Cable weight	kg/km	62	78	112	138	165	222	222		
Reel dimension (2km/reel)	WxDia. (mm)	550x700	550x850	550x950	800x1000	800x1050	800x1150			
Reel weight	kg	25	30	42	45	48	50	50		

FEATURES

- Choice of fiber type
- Colour coded fibers
- High water resistant
- High crush resistant
- Choice outer sheath material
- Customized jacket print legend
- Meet IEC60332 standard

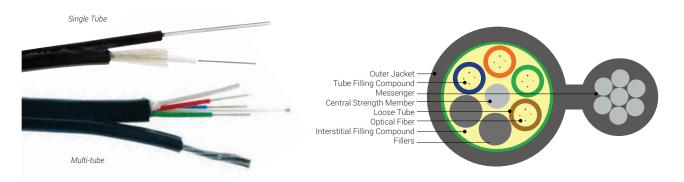
APPLICATIONS

- Suitable for external applications in ducts
- Aerial application
- Direct burial

Part No.	Fiber count	Fiber Type	Core Diameter
ANX-OAC = Annexecom Outdoor Armoured Cable	001 = 1 002 = 2 004 = 4	SM = Single Mode OS1 / OS2	9 = 9µm
	004 = 4 006 = 6 008 = 8 012 = 12 016 = 16 024 = 24 048 = 48 072 = 72 144 = 144	MM = Multi Mode OM1 / OM2 / OM3 OM4 / OM5	3 = OM3 (50μm) 4 = OM4 (50μm) 5 = OM2 (50μm) 6 = OM1 (62.5μm) 7 = OM5 (50μm)
ANX-OAC	ххх	уу	z



Aeriel Figure 8 Fiber Optic Cable



Annexecom Figure 8 aerial cable, spanning up to 70m, consists of 250µm optical fibers in loose tubes filled with interstitial gel. Aluminum moisture barrier tape or steel tape armoring options are available. A steel messenger wire provides tensile strength. The cable jacket is made of black high-density polyethylene (HDPE).

TECHNICAL CHARACTERISTIC

Description		2-30	32-36	38-60	2-30	32-36	38-60	2-30	32-36	38-60	2-30	32-36	38-60
Stranded Wire		1x7-3.0	1x7-3.0	1x7-3.0	1.2x7-3.6	1.2x7-3.6	1.2x7-3.6	1.4x7-4.2	1.4x7-4.2	1.4x7-4.2	2.0x7-6.0	2.0x7-6.0	2.0x7-6.0
Cable Diameter	mm	10.1	10.8	11.6	10.1	10.8	11.6	10.1	10.8	11.6	10.1	10.8	11.6
Messenger Cable Diameter	mm	5.2	5.2	5.2	5.8	5.8	5.8	6.4	6.4	6.4	8.2	8.2	8.2
Cable Height	mm	18.3	19.0	19.9	18.9	19.6	20.5	19.5	20.2	21.1	21.3	22	22.9
Cable Weight	kg/km	127	147	152	130	150	155	132	152	158	140	160	165
Max. Running Tension	N	4950	4950	4950	7100	7100	7100	9700	9700	9700	19700	19700	19700
Safe Running Tension	N	2500	2500	2500	3500	3500	3500	4800	4800	4800	9800	9800	9800
Min. Breaking Tension	N	7990	7990	7990	10710	10710	10710	14580	14580	14580	27720	27720	27720
Max Crush Loading	Short Term	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
(N/100mm)	Long Term	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

FEATURES

- · Single or multimode options available
- Loose tube stranding means that fibers have good secondary excess length; also allows fibers free movement in the tube, keeping fiber stress free when the cable is subjected to longitudinal stress
- Aluminum moisture barrier tape and corrugated steel tape options
- Stranded wires, as self supporting members, provide excellent strain performance and convenient installation

ORDERING INFORMATION

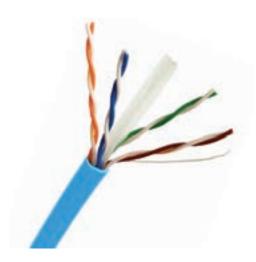
Part No.	Fiber count	Fiber Type	Core Diameter
ANX-ACF = Annexecom Ariel Cable Figure 8	002 = 2 Core 004 = 4 Core 006 = 6 Core	SM = Single Mode OS1 / OS2	9 = 9µm
3	008 = 8 Core 012 = 12 Core 016 = 16 Core 024 = 24 Core 048 = 48 Core 072 = 72 Core 144 = 144 Core	MM = Multi Mode OM1 / OM2 / OM3 OM4 / OM5	3 = OM3 (50μm) 4 = OM4 (50μm) 5 = OM2 (50μm) 6 = OM1 (62.5μm) 7 = OM5 (50μm)
ANX-ACF	xxx	уу	z

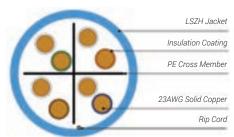
APPLICATIONS

- Figure 8 cables are suitable for installation in aerial environments
- · Long-haul communication



Category 6 Utp Cable





This cable meets or exceeds category 6/class E Attenuation and NEXT requirement in ISO/IEC 11801, CENELEC EN50173 and TIA/EIA 568B. It features an easy to remove cross tape that delivers high performance benefits.

FEATURES

- Bandwidth up to 250MHz
- Suited for Gigabit Ethernet
- 23 AWG solid bare copper
- Isolation member ensures stability
- Meets different flame requirement
- Various colors

PHYSICAL SPECFICIATIONS

Parameters	Value
Gauge	23AWG
Insulation thickness	0.220mm (0.0087inch)
Jacket thickness	0.560mm (0.022inch)
Cable diameter	6.10mm (0.240inch)
Weight	26.1 lb (11.8kg)
Operating temperature	-4°F to 167°F (-20°C to 75°C)

ELECTRICAL CHARACTERISTIC

Frequency (MHz)	Impedance	RL (dB)		Atteni (dB)	uation	NEXT (dB)		PSNEX (dB)	ΧT	ELFEX (dB)	ſΤ	PSELF (dB)	EXT	Delay (ns/1		Delay	Skew
		min	nom	max	nom	min	nom	min	nom	min	nom	min	nom	max	nom	max	nom
1	100±15	20	24	2	1.8	74.3	80	72.3	77	67.8	78	64.8	75	570	370	40	30
10		25	28	6	5.5	59.3	70	57.3	67	47.8	58	44.8	55	545	500	40	30
16		25	30	7.6	7.1	56.2	68	54.2	63	43.7	57	40.7	54	543	500	40	30
25		24.3	28	9.5	8.9	53.3	60	51.3	57	39.8	50	36.8	47	541	500	40	30
62.5		21.5	25	15.4	14.5	47.4	50	45.4	47	31.9	44	28.9	41	538	500	40	30
100	75±3	20.1	24	19.8	18.7	44.3	49	42.3	46	27.8	40	24.8	37	537	500	40	30
200		18	22	29	27.2	39.8	47	37.8	44	21.8	33	18.8	30	536	460	40	30
250		17.3	21	32.8	30.5	38.3	45	36.3	42	19.8	25	16.8	22	536	400	40	30

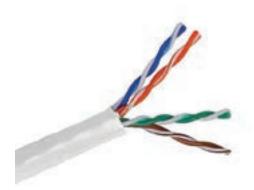
ELECTRICAL SPECFICIATIONS

Parameters	Value
NVP	69%
DC resistance	9.38 Ohms/100m Max
DC resistance unbalance	8 Ohms/305m
Mutual capacitance	5.6nF/100m Max
Standards	ANSI/TIA/EIA 568B.2-1 ISO/IEC 11801:2002 class E CENELEC EN 50173:2002

Part No.	AWG	Jacket Type	Flame
ANX-CAT6UTPCB = Annexecom Category 6 UTP Cable	23 = 23 24 = 24	LS = LSZH PV = PVC	CM = CM CMR = CMR
ANX-CAT6UTPCB	XX	уу	ZZZ



Category 5e UTP Cable



The cable meets or exceeds category 5E/class D Attenuation and NEXT requirements in ISO/IEC 11801, CENELEC EN50173 and TIA/ EIA 568B

FEATURES

- Bandwidth up to 100MHz
- Suited for Gigabit Ethernet
- 24 AWG solid bare copper
- Various colors

ELECTRICAL CHARACTERISTIC

Frequency (MHz)	Impedance	RL (dB)		Atteni (dB)	uation	NEXT (dB)		PSNEX (dB)	ΧT	ELFE>	(T	PSELI (dB)	FEXT	Delay (ns/1		Delay	Skew
		min	nom	max	nom	min	nom	min	nom	min	nom	min	nom	max	nom	max	nom
1	100±15	20.0	24	2.0	1.7	65.3	69	62.3	66	63.8	73	60.8	70	570	370	45	30
8		24.5	27	5.8	5	21.8	62	48.8	59	45.7	55	42.7	52	546	429	45	30
10		25.0	28	6.5	5.7	50.3	60	47.3	51	43.8	50	40.8	47	545	436	45	30
16		25.0	30	8.2	7.3	47.3	54	44.3	51	39.7	48	36.7	45	543	471	45	30
25		24.3	28	0.4	9.3	44.3	48	41.3	45	35.8	46	32.8	43	541	474	45	30
31.5		23.6	26	11.7	10.4	42.9	46	39.9	43	33.9	44	30.9	41	540	469	45	30
62.5		21.5	25	17.0	15.2	38.4	42	35.4	39	27.8	34	24.8	31	538	475	45	30
100		20.1	24	22.0	19.5	35.3	40	32.9	37	23.8	30	20.8	27	537	473	45	30

PHYSICAL SPECFICIATIONS

Parameters	Value
Gauge	24AWG
Insulation thickness	0.192mm (0.0076 inch)
Jacket thickness	0.53mm (0.021 inch)
Cable diameter	4.8mm (0.189 inch)
Weight	18.3 lb (8.3kg)
Operating temperature	-4°F to 167°F (-20°C to 75°C)

ELECTRICAL SPECFICIATIONS

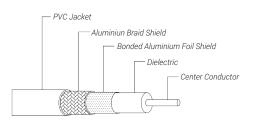
Parameters	Value
NVP	69%
DC resistance	9.38 Ohms/100m Max
DC resistance unbalance	5% Max
Mutual capacitance	5.6nF/100m Max
Standards	ANSI/TIA/EIA 568B.2 ISO/IEC 11801:2002 class D CENELEC EN 50173:2002

Part No.	AWG	Jacket Type	Flame
ANX-CAT5EUCB = Annexecom Category 5e UTP Cable	23 = 23 24 = 24	LS = LSZH PV = PVC	CM = CM CMR = CMR
ANX-CAT5EUCB	xx	уу	ZZZ



RG6 COAXIAL CABLE





CONSTRUCTION DETAILS

Center Conductor:

- 18AWG Copper Clad Steel Wire
- Nominal Diameter 0.040" (1.02mm)

Dielectric:

- Gas Expanded Polyethylene
- Nominal Diameter Over Dielectric: 0.180" (4.57 mm)

Shield:

- 1" Shiled : Aluminum Polyprorylene- Aluminum
- Laminated Tap with Overlap Bonded to the Dielectric
- Nominal Diameter Over Tape: 0.186" (4.72 mm)
- 2nd Shield: Aluminum Braid Wire 60% Coverage

Jacket:

- Flame Retardant PVC Jacket
- Nominal Diameter Over Jacket: 0.272" (6.91 mm)
- Nominal Jacket Thickness: 0.030" (0.76 mm)

LISTING AND RATINGS

UL TYPE CATV

ELECTRICAL PROPERTIES

Impedance: 75.0 ± 3.0 Ohms

Velocity of propagation: 85.0% Nominal
Capacitance Conductor to Shield: 16.2 pF/ft

(53.1 pF/m) Nominal

Attenuation: @ 68 °F (20 °C)

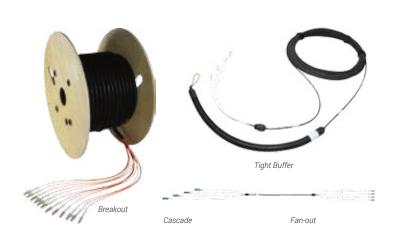
TECHNICAL CHARACTERISTIC

@ Frequency MHz	dB/100 ft. (MAX.)	dB/100 meters (MAX.)
5 MHz	0.50 dB	1.60 dB
10 MHz	0.66 dB	2.16 dB
55 MHz	1.40 dB	4.60 dB
100 MHz	1.92 dB	6.30 dB
211 MHz	2.60 dB	8.50 dB
500 MHz	4.10 dB	13.50 dB
750 MHz	5.10 dB	16.70 dB
862 MHz	5.50 dB	18.00 dB
1000 MHz	6.00 dB	19.70 dB
1200 MHz	6.73 dB	22.07 dB
1450 MHz	7.90 dB	25.90 dB
1800 MHz	8.40 dB	27.60 dB
2250 MHz	10.10 dB	33.10 dB
3000 MHz	11.00 dB	36.10 dB

Part No.	Description
ANX-RG6	RG6 Coaxial Cable 75 Ohm AL Braid 90% Coverage



Pre-Terminated Cabling Assemblies



Annexecom pre-terminated cables are manufactured using state-ofthe-art processes and equipment. They fit perfectly in data center, central office, LANs and campus cabling, and utilize a new cable and breakout module design. Our cables offer 1000N of tensile strength as well as superior crush resistance and optical performance.

Annexecom pre-terminated cables tails can be in either 900µm or 2.0mm widths. They are suited for direct connection to equipment or for internal connection in patch panels or ODF environments.

FEATURES

- Pre-terminated cables are supplied as standard with a protective sleeve, pulling eye and cable gland
- Different cable constructions available (Tight Buffer, Break Out, Loose Tube, Microcore Cable).
- Multimode & singlemode connectors SC, FC, ST, LC, MU, MTRJ, E2000
- Ultra polished connectors (UPC) and angle polished connectors (APC)
- Full tracability & test certificate supplied wich each assembly
- 100% tested for insertion loss and return loss

OPTIONS

- Bend insensitive fibers G657A/B
- OM4 fibers 10 Gigs at 550 meters
- Any color of cable jacket and connectors available
- · Printing on cable
- Private labeling OEM packaging
- OFNP plenum jacket
- Armoured cable CST

CABLE SELECTION GUIDANCE

Application	Fiber Count	Cable Length	End A Tail Diameter	End B Tail Diameter	Cable Type
Indoor	4 to 12	L > 10m	2mm / End A	2mm / End B	Breakout Cable
Indoor / Outdoor	4 to 24	Any length	900µm / End A	900µm / End B	Tight Buffer Cable
Indoor / Outdoor	4 to 144	Any length	900µm or 2mm / End A	900µm or 2mm / End B	Dry Loose Tube/ Loose Tube Cable
Indoor	4 to 144	Any length	900µm or 2mm / End A	900µm or 2mm / End B	Microcore Cable
0S1/2	OM1 OM	12 OM3	OM4 OM5		

 OS1/2
 OM1
 OM2
 OM3
 OM4
 OM5

 9/125
 50/125
 50/125
 50/125
 50/125

Part No.	Cable Type	Fiber Count	Connector 1	Connector 2	Fiber Type	Length (m) ³	Туре
ANX-PCA = Annexecom Pre-Terminated Cabling Assemblies	TB = Tight bufferd BK = Break out LT=Loose tube MC=Microcore Cable	04 = 4 08 = 8 12 = 12 16 = 16 24 = 24 36 = 36 48 = 48	FC= FC FCA = FC/APC SC = SC SCA = SC/APC ST = ST	LC = LC LCA = LC/APC MTRJ = MTRJ MU = MU E2 = E2000	62 = 62.5/125 50 = 50/125 09 = 9/125 0M3 = 0M3 0M4 = 0M4 7A = G657A 7B = G657B	025 = 25m 050 = 50m 075 = 75m 100 = 100m 150 = 150m 200 = 200m	CAS = Cascade FAN = Fan-out
ANX-PCA	aa	bb	ccc	dddd	xx	ууу	ZZZ



Fiber Optic Patch Cord



- Low insertion loss and high return loss
- Bend insensitive fiber for G657A/B
- Meet IEC60332 standard, Telcordia GR-326 and JIS performance requirement
- RoHS compliance

APPLICATIONS

- FTTH, FTTX, FTTB, FTTC systems
- Telecommunication networks
- GPON networks

TECHNICAL CHARACTERISTIC

Optic Per	formance (M	Iultimode)	Optic Performance (Singlemode)				
Insertion	loss Inse	sertion loss Return Loss					
Max. 0.3 dB				an 50 dB	50 dB		
Typical 0.15	ical 0.15 dB Typical 0.15 dB APC better than 60 dB			an 60 dB			
0S1/2 9/125	OM1 62 5/125	OM2 50/125	OM3 50/125	OM4 50/125	OM5 50/125		

Part No.	Connector 1	Connector 2	Cable Length	Cable Diameter	Fiber Count	Fiber Type	Core Diameter
ANX = Annexecom	E2 = E2000 FC = FC FCA = FC/APC	E2 = E2000 FC = FC FCA = FC/APC	01 = 1 meter 03 = 3 meter 05 = 5 meter	09 = 0.9mm 20 = 2.0mm 30 = 3.0mm	SX = Simplex DX = Duplex	SM = Single Mode OS1 / OS2	9 = 9µm
	LC = LC LCA = LC/APC MTRJ = MTRJ MU = MU SC = SC SCA = SC/APC ST = ST	LC = LC LCA = LC/APC MTRJ = MTRJ MU = MU SC = SC SCA = SC/APC ST = ST	10 = 10 meter XX = XX meter	30 – 3.011111		MM = Multi Mode OM1 / OM2 / OM3 OM4 / OM5	3 = OM3 (50μm) 4 = OM4 (50μm) 5 = OM2 (50μm) 6 = OM1 (62.5μm) 7 = OM5 (50μm)
ANX	aa	bb	сс	dd	хх	уу	z



Category 6 UTP Patchcord





The electrical performance of patchcord exceeds TIA/EIA category 6 and ISO/IEC Class E specification and it is fully backword compatible with category 6, and 5 connectors. Improved anti-snag feature provides maximum protection from snagging during moves and rearrangments.

FEATURES

- 24 AWG stranded bare copper
- Good margin in test
- PVC sheath or LSZH sheath
- Universal TIA/EIA 568A or TIA/EIA 568B wire map
- Various lengths and colors

PHYSICAL SPECFICIATIONS

Parameters	Value
Contact material	Phosphor bronze
Contact plating	Gold 50 micro-inch; nickle 100 micro-inch
Insertion life	750 minimum
Operating temperature	14°F to 140°F (-20°C to 60°C)

ELECTRICAL SPECFICIATIONS

Parameters	Value
TIA/EIA category	6

Part No.	Length	Jacket Type	Flame
ANX-CAT6UTPPC = Annexecom Category 6 UTP Patchcord	01 = 1 meter 02 = 2 meter 03 = 3 meter 05 = 5 meter 10 = 10 meter xx = xx meter	LS = LSZH PV = PVC	CM = CM CMR = CMR
ANX-CAT6UTPPC	xx	уу	ZZZ



Category 5e UTP Patchcord





The electrical performance of these patchcords exceeds TIA/EIA and ISO/IEC class E specifications and are fully backward compatible with Category 5 cable and connectors. Improved anti-snag feature provides maximum protection from snagging during moves and rearrangements.

FEATURES

- 24 AWG stranded bare copper
- Good margin in channel test
- PVC sheath or LSZH sheath
- Universal TIA/EIA 568A or TIA/EIA 568B wire map
- Various lengths and colors

PHYSICAL SPECFICIATIONS

Parameters	Value
Contact material	Phosphor bronze
Contact plating	Gold 50 micro-inch; nickle 100 micro-inch
Operating temperature	14°F to 140°F (-20°C to 60°C)

ELECTRICAL SPECFICIATIONS

Parameters	Value
TIA/EIA category	5e

Part No.	Length	Jacket Type	Flame
ANX-CAT5EUTPPC = Annexecom Category 5e UTP Patchcord	01 = 1 meter 02 = 2 meter 03 = 3 meter 05 = 5 meter 10 = 10 meter	LS = LSZH PV = PVC	CM = CM CMR = CMR
ANX-CAT5EUTPPC	xx	уу	zzz



Category 5e UTP Stranded Cable

TECHNICAL CHARACTERISTIC

• Conductors: 24awg Strandede Bare copper wire

• Insul./ Thickness: Polyethyene 0.18mm

• Color Code: Pair 1 = Blue - Light Blue

Pair 2 = Orange - White

Pair 3 = Green - Light Green

Pair 4 = Brown - Light Brown

• Jacket: PVC

Min. Avg. Thickness: 0.55 mm

Approx. Diameter of cable: 5.20 ± 0.20 mm

• Listing and Ratings: Compliance ANSI/TIA - 568.2-D

: UL Type CM

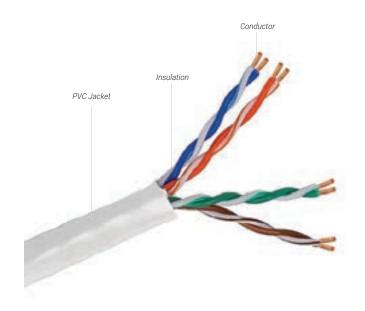


• DC Resistance (max.) 8.76 ohms/100m.

• DC Resistance Unbalance (max.): 5%

• Characteristic Impedance: 100 ± 15% Ohms

• Delay skew (max.) 45 ns/100m

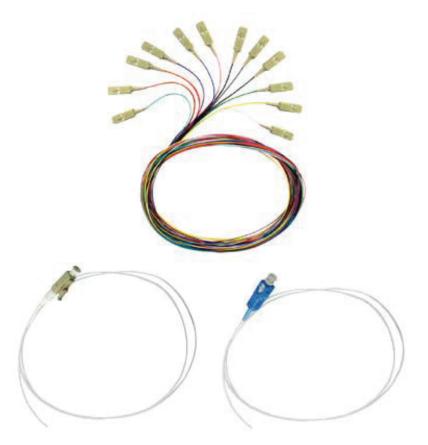


	Insertion Loss	S	PS-		PS-	Retun	Propagation delay
Freq.	dB/100m	NEXT	NEXT	ELFEXT	ELFEXT	Loss	Max. delay
(Mhz)	max	dB(min)	dB(min)	dB (min)	dB(min)	db(min)	(ns/100 m)
0.772	2.1	67.0	64.0	66.1	63.1	-	-
1	2.4	65.3	62.3	63.8	60.8	20.0	570
4	4.8	56.3	53.3	51.8	48.8	23.0	552
8	6.9	51.8	48.8	45.8	42.8	24.6	546
10	7.7	50.3	47.3	43.8	40.8	25.0	545
16	9.9	47.3	44.3	39.8	36.8	25.0	543
20	11.1	45.8	42.8	37.8	34.8	25.0	542
25	12.5	44.4	41.4	35.9	32.9	24.2	541
31.25	14.0	42.9	39.9	33.9	30.9	23.4	540
62.5	20.3	38.4	35.4	27.9	24.9	20.8	538
100	26.3	35.3	32.3	23.8	20.8	19.0	537

Part No.	AWG	Jacket Type	Flame
ANX-CAT5EUTPSCB = Annexecom Category 5e UTP Stranded Cable	24 = 24	LS = LSZH PV = PVC	CM = CM CMR = CMR
ANX-CAT5EUTPSCB	xx	уу	ZZZ



Fiber Optic Pigtails



FEATURES

- Single Mode and Multi Mode connector SC, LC, FC, ST, MU, MTRJ
- Ultra Polished Connector (UPC) and Angle Polished Connector (APC)
- · High quality zirconia ferrules
- Low insertion loss and high return loss
- Bend insensitive fiber for G657A/B
- Materials meets RoHS compliant
- Tested report provided for insertion loss and return loss for each assembly
- PVC, LSZH and FR cable jacket

TECHNICAL CHARACTERISTIC

Parameter	Description
Insertion Loss	≤ 0.2dB to ≤ 0.3dB
Return Loss	≥ 30dB to ≥ 60dB
Operating Wavelength	850nm, 1310nm, 1510nm
Exchangeability	≤ 0.2dB
Vibration	≤ 0.2dB
Operating Temperature	-40°C to +75°C
Storage Temperature	-42°C to +85°C

Part No.	Connector 1	Cable Length	Cable Diameter	Fiber Count	Fiber Type	Core Diameter
ANX = Annexecom	E2 = E2000 FC = FC FCA = FC/APC	01 = 1 meter 15 = 1.5 meter	09 = 0.9mm 20 = 2.0mm 30 = 3.0mm	SX = Simplex DZ = Dozen	SM = Single Mode OS1 / OS2	9 = 9µm
	LC = LC LCA = LC/APC MTRJ = MTRJ MU = MU SC = SC SCA = SC/APC ST = ST				MM = Multi Mode OM1 / OM2 / OM3 OM4 / OM5	3 = OM3 (50µm) 4 = OM4 (50µm) 5 = OM2 (50µm) 6 = OM1 (62.5µm) 7 = OM5 (50µm)
ANX	aa	сс	dd	xx	уу	z



Fiber Optic PLC Splitter

FEATURES

- Low insertion loss
- Low PDL
- Good directivity
- Available in 3 different package types
- Available in pre-loaded in slimline panel option
- Up to 32 ports for SC connection in 19" slimline panel
- Up to 64 ports for LC connection in 19" slimline panel



- FTTX
- Light source distribution
- Optical Fiber communication systems
- PON
- · Optical fiber test equipment



PLC Splitter 19" Rack Mount Type





Mini Tube Module

Black Box Module

■ TECHNICAL CHARACTERISTIC

Parameters						PLC S	Splitter					
	1x2	1x4	1x8	1x16	1x32	1x64	2x2	2x4	2x8	2x16	2x32	2x64
Operating Wavelength						1260~1	1650nm					
Insertion Loss (AVE, dB)	4	7.3	10.5	13.8	16.8	20.5	4.4	8	11.7	14.7	17.9	21.2
Insertion Loss (MAX, dB)	4.5	7.7	11.2	14.2	17.5	21.5	4.7	8.3	12	15	18.2	21.9
Return Loss (dB)	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
PDL (AVE, dB)	0.1	0.1	0.15	0.15	0.15	0.2	0.1	0.1	0.2	0.3	0.3	0.4
PDL (MAX, dB)	0.2	0.2	0.3	0.3	0.3	0.4	0.2	0.2	0.4	0.4	0.4	0.5
Loss Uniformity (AVE, dB)	0.4	0.5	0.6	0.6	0.9	1.3	0.5	1	1	1.2	1.5	2.2
Loss Uniformity (MAX, dB	0.6	0.8	1	1.4	1.7	2.7	0.8	1.4	1.7	2	2.2	2.7
Directivity (dB)	55	55	55	55	55	55	55	55	55	55	55	55
Operating Temp. (°C)	-40 ~ +85	-40 ~ +85	-40 ~ +85	-40 ~ +85	-40 ~ +85	-40 ~ +85	-40 ~ +85	-40 ~ +85	-40 ~ +85	-40 ~ +85	-40 ~ +85	-40 ~ +85
Storage Temp. (°C)	-40 ~ +85	-40 ~ +85	-40 ~ +85	-40 ~ +85	-40 ~ +85	-40 ~ +85	-40 ~ +85	-40 ~ +85	-40 ~ +85	-40 ~ +85	-40 ~ +85	-40 ~ +85
Dimension (L*W*H, mm) Component type	40*4*4	40*4*4	40*4*4	40*4*4	50*7*4	60*7*4	40*4*4	40*4*4	40*4*4	40*4*4	60*7*4	N/A
Dimension (L*W*H, mm) ABS type	100*80*9	100*80*9	100*80*9	120*8*18	140*114*18	140*114*18	100*80*9	100*80*9	100*80*9	120*8*18	140*114*18	140*114*1

Part No.	Connector	Module	Splitter Capacity	Connector Type	Core Diameter
ANX-PLC = Annexecom PLC	FC = FC FCA = FC/APC SC = SC	FC = FC FCA = FC/APC SC = SC	0102 = 01 to 02 Core 0104 = 01 to 04 Core 01XX = 01 to XX Core	SM = Single Mode OS1 / OS2	9 = 9um
	SCA = SC/APC LC = LC LCA = LC/APC	SCA = SC/APC LC = LC LCA = LC/APC	01X = 02 to 04 Core 0204 = 02 to 04 Core 0216 = 02 to 16 Core 02128 = 02 to 128 Core 02XX = 02 to XX Core	MM = Multi Mode OM1 / OM2 / OM3 OM4 / OM5	3 = OM3 (50µm) 4 = OM4 (50µm) 5 = OM2 (50µm) 6 = OM1 (62.5µm) 7 = OM5 (50µm)
ANX-PLC	aa	bb	XXXX	уу	z



Field Installable Connector (FIC)



The Fast Connector (Field Assembly Connector or Field terminated fiber connector, quickly assembly Fiber connector) is a revolutionary field installable optical fiber connector that requires no epoxy and no polishing, this connector during the installation process does not require any adhesive and curing process. The unique design of the patented mechanical splice body incorporates a factory-mounted fiber stub and a pre-polished ceramic ferrule. They are widely used in FTTx, Connecting up Renovation of Computer/controlling Room applications.

FEATURES

- · No special assembling tool
- Using high-quality zirconia ferrule to keep the stable data
- · Easy for assembling with mechanical splice and no polishing
- Easy for learning technology by a simple assembling method (within 1 and half minutes) Minimize the defect rate by features of removal and reusable.

TECHNICAL CHARACTERISTIC

Parameter	Values
Cable	3.1x2.0mm drop cable or 3.0/2.0/0.9mm cable
Insertion Loss	<0.3dB (PC), <0.2db(APC)
Return Loss	>50db (PC), >55db(UPC), >65db(APC)
Tighten Strength of Naked Fiber	>5 N
Clad Strength	>10N
Tension	>50N
Operation Time	about 15s (exclude fiber presetting)
Success Rate	>98%
Reusable Times	>10 times
On-line Tensile Strength Test (20 N)	IL ≤ 0.3dB
Mechanical Durability (500 times)	IL ≤ 0.3dB
Drop Test (4m concrete floor, once each direction, three times total)	IL ≤ 0.3dB
Operating Temperature	-5°C~ +70°C
Storage Temperature	-40°C∼ +85°C

Part No.	Connector Type	Fiber Type	
ANX-FIC = Annexecom Field Installable Connector	SC = SC/UPC SCA = SC/APC	SM = Single Mode OS1 / OS2	
installable conflector		MM = Multi Mode OM1 / OM2 / OM3 OM4 / OM5	
ANX-FIC	хх	уу	



Fiber Optic Attenuator





FEATURES

- Fixed attenuation value of 1 to 30dB
- Precise attenuation value
- Excellent reflectance
- Environmentally stable
- 1310nm and 1550nm dual wavelength
- Low PDL
- Meet IEC, Telcordia GR-326-CORE, GR-910-CORE and JIS performance requirement
- RoHS compliance

TECHNICAL CHARACTERISTIC

Parameter	Unit	Conditions	Values
Attenuation	dB	UPC APC	1-30
Return Loss	dB	UPC APC	> 50 > 60
Operating Wavelength	nm		1310 and 1550, 1240 1600
Attenuation Accuracy	-	≤ 0.5dB < 10%	1 - 4dB 5 - 30dB
Operating Temperature	°C	-	-40 to +75
Storage Temperature	°C	-	-40 to +85
Polarization Dependent Loss	dB	-	< 0.2
Relative Humidity	%	75°C	95
Vibration	dB	10 – 55, 2 Hrs	Δ IL ≤ 0.2
Impact	dB	1.5m, 5 drops	Δ IL ≤ 0.2

Part No.	Connector Type	Attenuator
ANX-FOA = Annexecom Fiber Optic Attenuator	FC = FC MTRJ = MTRJ SC = SC/UPC SCA = SC/APC ST = ST	01 = 1dB 05 = 5dB 10 = 10dB 15 = 15dB 20 = 20dB 25 = 25dB 30 = 30dB
ANX	xx	уу



Fiber Optic Adapter & Hybrid Adapter



FEATURES

- 100% optic tested with low insertion loss
- Excellent changeability and directivity
- Ceramic and phosphor bronze sleeve tube optional
- High Precision
- Meet IEC, Telcordia GR-326 and JIS performance requirement
- RoHS compliance



APPLICATIONS

- FTTH, FTTX, FTTB, FTTC system
- Telecommunication network
 - CATV
- Local area network

TECHNICAL CHARACTERISTIC

Parameter	Ceramic	Phosphor Bronze	Conformance
Insertion Loss (Typ)	0.1 dB	0.15 dB	IEC 61300-3-4
Mating Durability	500	500	IEC 61300-2-2
Receptacle Retention Force	1N - 2.5N	1N - 2.5N	IEC 61754-20
Operating Temperature (°C)	-25 to +70, 12 cycles	-25 to +70, 12 cycles	IEC 61300-2-22

Part No.	Adapter Port 1	Adapter Port 2	Adapter Count	Adapter Type
ANX = Annexecom	E2 = E2000 FC = FC FCA = FC/APC	E2 = E2000 FC = FC FCA = FC/APC	SX = Simplex DX = Duplex QX = Quadplex	SM = Single Mode OS1 / OS2
	LC = LC LCA = LC/APC MTRJ = MTRJ SC = SC SCA = SC/APC ST = ST	LC = LC LCA = LC/APC MTRJ = MTRJ SC = SC SCA = SC/APC ST = ST	1	MM = Multi Mode OM1 / OM2 / OM3 OM4 / OM5
ANX	aa	bb	XX	уу



Fiber Media Converter 10/100M & 10/100/1000M





FEATURES

- 10/100 & 10/100/1000 Mbps Ethernet
- Plug and play, high performance, low power consumption
- Electrical ports support Auto-Negotiation 100
 Mbps or 1000 Mbps, full duplex or half duplex data
- Optical ports support 100 Mbps or 1000 Mbps full duplex data
- Automatic MDI/MDI-X crossover
- Distances up to : 2km for Multi Mode, 120km for Single Mode
- AC/DC power
- · LED's indicator

APPLICATIONS

- Access Control Systems
- Building & environmental control systems
- Tamper switch
- · High Speed computer links

TECHNICAL CHARACTERISTIC

Parameters	Specifications
Standard	IEEE 802.3 (10Base-T) IEEE 802.3U (100Base-TX) IEEE802.3ab (1000Base-TX/FX)
Wavelength	Multi Mode : 850nm, 1310nm Single Mode : 1310nm, 1550nm
Transmission Distance	Multi Mode : 550m/ 2km (Fiber Size : 62.5/125 μ m or 50/125 μ m) Single Mode : 10/ 20/ 40/ 80/ 100/ 120 km
Port	1 x RJ45 port Dual Fiber Port (SC/ST)
MDI/MDI-X	Auto Selection
Power Supply	Output: 5 V DC 1A Built in: 100V to 240V AC 50 Hz to 60 Hz
Operating Temperature	0°C to +70°C
Storage Temperature	-20°C to +80°C
Storage Humidity	5% to 90% (Non-condensing)
Dimension	95mm x 70mm x 25mm
Net Weight	0.165 kg

TECHNICAL CHARACTERISTIC

Part No.	Description	
ANX-MCS/10KM	Single Mode 1550nm 10/100M 10KM dual fiber SC	
ANX-MCS/20KM	Single Mode 1310nm 10/100M 20KM dual fiber SC	
ANX-MCM/2KM	Multi Mode 1310nm 10/100M 2KM dual fiber SC	
ANX-MCM/550M	Multi Mode 850nm 10/100M 550M dual fiber SC	
ANX-GMCS/10KM	Single Mode 1310nm 10/100/1000M 10KM dual fiber SC	
ANX-GMCS/20KM	Single Mode 1310nm 10/100/1000M 20KM dual fiber SC	
ANX-GMCM/2KM	Multi Mode 1310nm 10/100M 2KM dual fiber SC	
ANX-GMCM/550M	Multi Mode 850nm 10/100M 550M dual fiber SC	



Optical Distribution Frame (ODF)





Annexecom ODF is a high capacity, high-density fiber distribution frame, suitable for the composition and distribution of fibers in optical access network to achieve the fiber optic lines connection, distribution and scheduling.

FEATURES

- Standard 19" installation; fully enclosed structure; with high intensity and anti-erosion performance.
- Electrolysis sheet / Cold-rolled steel frame, electrostatic spraying in the whole surface, nice appearance.
- Full front operation; can be installed against wall, side by side or back to back.
- Complete cable routing design with fiber bend radius over 40mm.
- Inlet / outlet cables from top to bottom.
- Built-in direct melt unit capable of providing direct connection functionality.
- With secure and reliable fastening and grounding protection devices for the optic fiber.
- Suitable for ribbon and non-ribbon optical fibers, and inserting installation of SC, FC, ST adapters.
- Can be installed with value-added modular units, such as fiber splitters, WDM, etc.
- Glass front door for good visibility.
- Capacity up to 1872 fiber ports.

APPLICATIONS

- Communications
- Networks
- · Industrial control
- Building automation

■ TECHNICAL CHARACTERISTIC

Parameter	Value
Fiber Quantity	1584 ports (max.)
Dimension (cm)	220 x 90 x 40
Approximate weight (kg)	230
Nominal work wave-length	850nm, 1310nm, 1550nm
Operating temperature	-5°C-+40°C
Storage temperature	-40°C +70°C
Relative humidity	≤85%(+30°C)
Atmospheric pressure	70~106 KPa
Insertion loss	≤0.2dB
Return loss	≥45dB (PC), ≥50dB(UPC), ≥60dB(APC)
Isolation resistance	≥1000MΩ/500V(DC)
Durability	>1000 times
Anti-voltage strength	≥3000V(DC)/1min

Note: The weight contains the wooden carton, don't contain the ODF

Part No.	Total Ports	Connector Type
ANX-ODF = Annexecom Optical Distribution Frame	0024 = 24 Ports 0048 = 48 Ports 0072 = 72 Ports 0096 = 96 Ports 0144 = 144 Ports 0288 = 288 Ports 0576 = 576 Ports 1440 = 1440 Ports 1584 = 1584 Ports	SC = SC SCA = SC/APC LC = LC LCA = LC/APC
ANX-ODF	хххх	уу



ODF Patch Panel Module



FEATURES

- Standard size, light weight and reasonable structure
- · Splice tray inside changeable
- Can be used in 19", 23" standard distribution frame
- Suitable for ribbon and single fiber
- Various panel plate to fit different adapter interface
- Front mark on the plate is easy for identification and operation
- 12C, 24C, 48C, 72C, 96C, 144C optional, with or without fiber optic pigtails and adapters
- Easy management and operation

APPLICATIONS

- Telecommunications subscriber loop
- FTTH (fiber to the home)
- · LAN / WAN
- CATV

TECHNICAL CHARACTERISTIC

Model	Core Count	Height	Dimension (mm)	Weight (kg)
ODF-R144	144	3U	482 x 325 x 130	17.1
ODF-R96	96	2U	482 X 325 X 87	6
ODF-R48	48	2U	482 x 325 x 87	5.5

Part No.	Total Ports	Connector Type
ANX-ODF/R = Annexecom Optical Distribution Frame Patch Panel Module	0048 = 48 Ports 0072 = 72 Ports 0096 = 96 Ports 0144 = 144 Ports 0288 = 288 Ports 0576 = 576 Ports 1440 = 1440 Ports 1584 = 1584 Ports	SC = SC SCA = SC/APC LC = LC LCA = LC/APC
ANX-ODF	XXXX	уу



Floor Stand Server Rack



Honeycomb Perforation ⋅ 800kg static load ⋅ CKD Welded Frame

Perforated/Perspex Front Door, Vented Rear Door, Detachable Side Panels, 19" Panel Mounting, Ventilation Fans, Equipment Trays, Power Distribution Unit, Cable Tray, Castor Wheels, Adjustable Levelers

Part No.	Rack Height	Rack Width	Rack Depth
ANX-FSSR = Annexecom Floor Stand Server Rack	15 = 15U 18 = 18U 24 = 24U 28 = 28U 33 = 33U 37 = 37U 42 = 42U	6 = 600mm 7 = 700mm 8 = 800mm	6 = 600mm 7 = 700mm 8 = 800mm 10 = 1000mm 11 = 1100mm 12 = 1200mm
ANX-FSSR	xx	у	zz



Trunking Floor Stand Server Rack



Honeycomb Perforation ⋅ 800kg static load ⋅ CKD Welded Frame

Perforated/Perspex Front Door, Vented Rear Door, Detachable Side Panels, Vertical Cable Management Trunking, 19" Panel Mounting, Ventilation Fans, Equipment Trays, Power Distribution Unit, Castor Wheels, Adjustable Levelers.

Part No.	Rack Height	Rack Width	Rack Depth
ANX-TFSSR = Annexecom Trunking Floor Stand Server Rack	15 = 15U 18 = 18U 24 = 24U 28 = 28U 33 = 33U 37 = 37U 42 = 42U	8 = 800mm	8 = 800mm 10 = 1000mm 11 = 1100mm 12 = 1200mm
ANX-TFSSR	хх	у	ZZ



Wallmount Rack





Honeycomb Perforation ⋅ 50kg static load ⋅ Solid Welded Frame

Perforated/Perspex Front Door, Detachable Side Panels, Vented Top and Base, 19" Panel Mounting, Ventilation Fans, Equipment Trays, Power Distribution Unit

Part No.	Rack Height	Rack Width	Rack Depth
ANX-WMR = Annexecom Wallmount Rack	04 = 4U 06 = 6U 09 = 9U 12 = 12U 15 = 15U	6 = 600mm 8 = 800mm	5 = 500mm 6 = 600mm 7 = 700mm 8 = 800mm
ANX-WMR	xx	у	z



Fiber Wall Socket



FEATURES

- SC simplex and duplex adapter
- Ergonomic design
- Ability to allow cables to enter from rear or bottom of the unit
- 30mm minimum bend radius
- Flip tray to allow access to pigtails and cable entry
- Removable cover for easy access
- Unit manufactured from fire resistant UL94-V0 rated material
- Standard white color

APPLICATIONS

- FTTx networks
- Data communication networks
- Indoor applications

TECHNICAL CHARACTERISTIC

Parameter	Value
Width	86mm
Height	86mm
Depth	25mm
Number of Ports	1, 2
Max. Splicing Capacity	2 Splices
Suitable Adapter Type	SC Simplex, SC Duplex
Number of Cable Entry	2
Material	PC+ABS
Operating Temperature	-40°C to +50°C
Color	White
Compliant to	RoHS, REACH, SVHC

Part No.	Total Ports	Connector Type
ANX-FWS = Annexecom Fiber Wall Socket	01 = 1 Port 02 = 2 Ports 04 = 4 Ports	SC = SC SCA = SC/APC LC = LC LCA = LC/APC
ANX-FWS	хх	уу



Fiber Distribution Box (FDB) 4 Ports





FEATURES

- 4-ports FDB is suitable for FTTH, optical fiber splitting/splicing using
- ABS plstic, light weight
- Reasonable design for fiber arrangement, bend radius more than 30mm
- Suitable for 1pc 4-way splitter or 1 pc 8-way splitter with LC connector (Steel tube type)

■ TECHNICAL CHARACTERISTIC

Value
-5°C to +40°C
≤90% (+30°C)
70Кра-106Кра
-40°C to +70°C
2U (88.9mm)
≤0.3dB
≤0.2dB
≥50dB
IP66

ACCESSORY LIST

Item	Part name	Description	Unit	Qty	Remark
1	Fiber optic terminal box	ANX-FDB04	set	1	Wall mounted accessory is standard. Pole mounted accessory is optional.
2	PLC splitter	PLC-1X4SC PLC-1X8LC	set	1	Optional
3	Fiber optic adapter	SC/PC	set	4	Optional
4	Pole mounted	LC/PC/DX	set	1	Optional

PACKAGING

ltem	Size(CM)	Unit	Qty	Weight(KG)
1	14 (W) X 21(H) X 4(D)	PCS	1	0.6

Part No.	Description
ANX-FDB24	IP65 Indoor & Outdoor Fiber Distribution Box (FDB) 4 Ports



Fiber Distribution Box (FDB) 8 Ports



FEATURES

- IP 68 Rating for external use
- Lockable door for added security
- Integrated cable tie points for securing incoming cable
- Up to 8 splice & SC connection points
- Accepts loose tube, distribution and pre-terminated cables
- Integrated bend radius protection
- Sealing glands for 3 incoming cables
- Waterproof sealing for 8 exiting cables
- Supplied with 8 heat shrink splice protectors
- Supplied with transit tubing
- Supplied with wall fixings and tie wraps
- RoHS, REACH & SvHC compliant

APPLICATIONS

- Premise installations, telecommunication networks
- Ethernet, Fiber Channel, ATM, LAN, MAN and WAN
- Indoor/outdoor applications
- FTTA application

TECHNICAL CHARACTERISTIC

Parameters	Value
Height	230mm
Width	207mm
Depth	53mm
IP Rating	IP68
Suitable Adapter Type	SC Simplex
Number of Exit Ports	8
Number of Cable Entry	3
Material	+ABS
Operating temperature	-40°C to +50°C
Color	White
Net Weight	1.18Kg
Compliant to	RoHS, REACH, SvHC

Part No.	Description	
ANX-FDB24	IP65 Indoor & Outdoor Fiber Distribution Box (FDB) 8 Ports	



Fiber Distribution Box (FDB) 16 Ports



FEATURES

- Up to 16 fibers
- Higed splice tray for easy installation
- Multiple adapter options available
- 16 adapter positions
- IP 65
- · Accepts loose tube, distribution and pre terminated cables
- Integrated bend radius protection
- Rubber inserts for up to 16 drop cables
- ROHS, REACH SVHC
- Supplied with 16 heatshrink splice protectors
- Supplied with transit tubing
- Supplied with wall fixings

APPLICATIONS

- Data centres, premise installations, telecommunication networks
- Ethernet, Fiber Channel, ATM, LAN, MAN and WAN
- Data communication and telecommunication networks
- Indoor applications

TECHNICAL CHARACTERISTIC

Parameters	Value
Height	302mm
Width	251mm
Depth	92mm
Net weight	1.17kg
IP rating	IP65
Suitable for adapter type	SC Simplex LC Duplex
Number of fibers	16
Number of ports	16
Cable entry 20mm	2
Cable exit 10mm	16
Material	ABS
ABS Colour	White
Operating tmeperature	-40°C to +50°C
Designed in accordance with	TIA/EIA 568.C, ISO/IEC 11801, EN50173, IEC60304, IEC61754, EN297-1
Compliant to	RoHS, Reach/SVHC

Part No.	Description
ANX-FDB24	IP65 Indoor & Outdoor Fiber Distribution Box (FDB) 16 Ports



Fiber Distribution Box (FDB) 24 Ports





FEATURES

- IP 65 Rating for external use
- Lockable door for added security
- Integrated cable tie points for securing incoming cable
- Up to 24 splice & SC connection points
- Removable splice tray for easy installation
- Accepts loose tube, distribution and pre-terminated cables
- Integrated bend radius protection
- Sealing glands for up to 24 exiting cables + 2 incoming cable
- Removable door for ease of installation
- Supplied with 24 heatshrink splice protectors
- Supplied with transit tubing
- Supplied with wall fixings and tie wraps
- RoHS, REACH & SvHC compliant

APPLICATIONS

- Data centers, premise installations, telecommunication networks
- Ethernet, Fiber Channel, ATM, LAN, MAN and WAN
- Data communication and telecommunication networks
- Indoor/outdoor applications

TECHNICAL CHARACTERISTIC

Parameters	Value
Height	335mm
Width	275mm
Depth	114mm
IP Rating	1.8kg
Suitable Adapter Type	IP65
Number of Exit Ports	SC Simplex
Number of Cable Entry	24
Material	2
Operating temperature	ABS
Color	Grey RAL 7035
Net Weight	-40°C to +60°C
Compliant to	RoHS, REACH/SvHC

Part No.	Description
ANX-FDB24 IP65 Indoor & Outdoor Fiber Distribution Box (FDB) 24 Por	



Fiber Distribution Box (FDB) 48 Ports





Open view

FEATURES

- IP 65 Rating for external use
- Lockable door for added security
- Integrated cable tie points for securing incoming cable
- Up to 12 splice & SC connection points
- Removable splice tray for easy installation
- Accepts loose tube, distribution and pre-terminated cables
- Integrated bend radius protection
- Sealing glands for up to 12 exiting cables + 2 incoming cable
- Removable door for ease of installation
- Supplied with 12 heatshrink splice protectors
- Supplied with transit tubing
- Supplied with wall fixings and tie wraps
- RoHS, REACH & SvHC compliant

APPLICATIONS

- Data centers, premise installations, telecommunication networks
- Ethernet, Fiber Channel, ATM, LAN, MAN and WAN
- Data communication and telecommunication networks
- Indoor/outdoor applications

TECHNICAL CHARACTERISTIC

Parameters	Value
Height	380mm
Width	356mm
Depth	141mm
IP Rating	P65
Suitable Adapter Type	SC Simplex or LC Duplex
Number of Exit Ports	48
Number of Cable Entry	8 Cores
Material	96 Splices
Operating temperature	PC+ABS
Color	White
Net Weight	-40°C to +60°C
Compliant to	RoHS, REACH/SvHC

Part No.	Description
ANX-FDB24	IP65 Indoor & Outdoor Fiber Distribution Box (FDB) 48 Ports



Rack Mount Fiber Patch Panel



FEATURES

- Made of cold-roll steel sheet with electro galvanized finishing
- Removable panel design can meet different requirements
- Suitable for 19" and 23" rack mounted
- Adapter type: FC, SC, ST, LC
- Capacity up to 48 ports
- Quick field installation
- Retractable splicing tray
- Special design ensures the excess fiber cords and pigtails in good order

APPLICATIONS

- Fiber Optic Telecommunication
- Optical network equipment
- CATV
- LAN (Local Area Network)
- CWDM (Coarse Wavelength Division Multiplex)

TECHNICAL CHARACTERISTIC

Parameters	Value
Operating Temperature	-25°C to +40°C
Storage Temperature	-25°C to +55°C
Relative Humidity	≤ 85% (+30°C)
Colour	Black or Beige
Dimension	1U x 485mm x 220mm (4, 6, 12, 24, 36, 48 ports)

Part No.	Connector	Fiber Port Qty	Adapter Count	Connector Type
ANX-ERMFDP = Annexecom Rack Mount Fiber	com FCA = FC/APC 06 = 6 ports DX = Duplex		SM = Single Mode OS1 / OS2	
Patch Panel	SCA = SC/APC LC = LC LCA = LC/APC	24 = 24 ports 36 = 36 ports 48 = 48 ports	QX = Quadplex	MM = Multi Mode OM1 / OM2 / OM3 OM4 / OM5
ANX-ERMFDP	aa	bb	хх	уу



Category 6 UTP Patchpanel



This 110 or LSA connecting system is convenient for installation. Labeled on the front for easy management and allowing for an accurate and reliable installation. There is a good margin in TIA/EIA category 6 and ISO/IEC class E channel and permanent link test, due to its reliable performance.

FEATURES

- Support 1Gbps network
- Backward compatible with cat 5e, cat 5 and cat 3 cables and patchcords
- Quick installation of 22 to 26AWG cables
- Easy patchcords management
- Universal TIA/EIA 568A and 568B labeling

PHYSICAL SPECFICIATIONS

Parameters	Value
Physical Specifications	19 inch (48.26cm)
Width	1U (1.74 inch); 2U (3.48 inch)
Height	-14°F to 140°F (-10°C to 60°C)
Operating temperature	-40°F to 158°F (-40°C to 70°C)
Storage temperature	Copper alloy, 100 micro-inch bright solder
Contact material	Over 100micro-inch nickel underplate
Nominal solid conductor diameter	0.016 in to 0.025 in [26AWG to 22AWG]
Nominal stranded conductor diameter	0.020 in to 0.025 in [24AWG to 22AWG]
Insulation size	0.030 in to 0.046in (0.76mm to 1.17 mm)
Insulation type	All plastic insulates
Plug insertion life	750 minimum

ELECTRICAL SPECFICIATIONS

Parameters	Value
Insulation resistance	500 megohms minimum
TIA/EIA category	6
Dielectric withstand voltage	1000VAC RMS,60Hz minimum contact to contact and 1500 VAC RMS,60Hz minimum to exposed conductive surface

	Part No.	Description
Ī	Anx-Cat6PP	Annexecom cat6 24port UTP Patch panel



Category 5e UTP Patchpanel



This 110 or LSA connecting system is convenient for installation. Labeled on the front for easy management and allowing for an accurate and reliable installation. There is a good margin in TIA/EIA category 5e and ISO/IEC class E channel and permanent link test, due to its reliable performance.

FEATURES

- Support 1Gbps network
- Backward compatible with cat 5e, cat 5 and cat 3 cables and patchcords
- Quick installation of 22 to 26AWG cables
- Easy patchcords management
- Universal TIA/EIA 568A and 568B labeling

PHYSICAL SPECFICIATIONS

Parameters	Value
Physical Specifications	19 inch (48.26cm)
Width	1U (1.74 inch); 2U (3.48 inch)
Height	-14°F to 140°F (-10°C to 60°C)
Operating temperature	-40°F to 158°F (-40°C to 70°C)
Storage temperature	Copper alloy, 100 micro-inch bright solder
Contact material	Over 100micro-inch nickel underplate
Nominal solid conductor diameter	0.016 in to 0.025 in (26AWG to 22AWG)
Nominal stranded conductor diameter	0.020 in to 0.025 in (24AWG to 22AWG)
Insulation size	0.030 in to 0.046in (0.76mm to 1.17 mm)
Insulation type	All plastic insulates
Plug insertion life	750 minimum

ELECTRICAL SPECFICIATIONS

Parameters	Value
Insulation resistance	500 megohms minimum
TIA/EIA category	6
Dielectric withstand voltage	1000VAC RMS,60Hz minimum contact to contact and 1500 VAC RMS,60Hz minimum to exposed conductive surface

Part No.	Description
Anx-Cat5ePP	Annexecom cat5e 24port UTP Patch panel



Fiber Optic Dome Closure



FEATURES

- Made of Polypropylene (PP) to ensure harsh conditions such as vibration, impact, tensile cable distortion and strong temperature changes (Others material can be customized upon customer require such as PC or ABS)
- Can by apply to area such as underground, aerial, pipe line or direct buried
- Capacity from 12 core up to 144 core
- Solid structure, perfect outline, thunder, erosion and adding resistant
- Water and dust proof, unique grounding device to ensure the sealing performance, convenient for installation
- Vertical design for dome closure

APPLICATIONS

- FTTH, FTTO, FTTX
- Fiber Optic Telecommunication
- Optical network equipment
- LAN (Local Area Network)

TECHNICAL CHARACTERISTIC

Parameters	Value
Operating Temperature	-40°C to +65°C
Injected Air Pressure	60KPa
Amplitude	≤ 5KPa
Colour	Black
Dimension	300mm x 189mm with 1 oval port + 3 round port (12, 24 core) 420mm x 210mm with 1 oval port + 4 round port (36, 48 core) 540mm x 210mm with 1 oval port + 4 round port (96, 144 core)

Part No.	Dome Closure Type
ANX-DC = Annexecom Dome Closure	24 = 24 Core 48 = 48 Core 96 = 96 Core 144 = 144 Core
ANX-DC	aaa



Fiber Optic Dome Closure With Adapter



FEATURES

- Made of Polypropylene (PP) to ensure harsh conditions such as vibration, impact, tensile cable distortion and strong temperature changes (Others material can be customized upon customer require such as PC or ABS)
- The closure is used for splicing part of main fiber cable with branching fiber cable, meanwhile splicing its rest part with pigtail or drop cable, connecting optical exchange equipment via patch cord.
- The distribution unit can fit with SC, FC, LC, ST adapter at front panel to meet with customers various needs.
- Can be apply to area such as underground, aerial, pipe-lined or direct buried
- Capacity from 12 core up to 144 core
- · Solid structure, perfect outline, thunder, erosion and adding resistant
- Water and dust proof, unique grounding device to ensure the sealing performance, convenient for installation
- Vertical design for dome closure with drop cable port

APPLICATIONS

- FTTH, FTTO, FTTX
- Fiber Optic Telecommunication
- · Optical network equipment
- LAN (Local Area Network)

TECHNICAL CHARACTERISTIC

Parameters	Value
Operating Temperature	-40°C to +65°C
Injected Air Pressure	60KPa
Amplitude	≤ 5KPa
Colour	Black
Dimension	490mm x 220mm with 6 inlet port/ outlet port (12 to 48 core)

Part No.	Inline Closure Type
ANX-DCDC = Annexecom Dome Closure with Adapter	12 = 12 Core 24 = 24 Core 36 = 36 Core 48 = 48 Core
ANX-DCDC	aaa



Fiber Optic Inline Closure





FEATURES

- Made of Polypropylene (PP) to ensure harsh conditions such as vibration, impact, tensile cable distortion and strong temperature changes (Others material can be customized upon customer require such as PC or ABS)
- Can by apply to area such as underground or direct buried
- Capacity from 12 core up to 144 core
- Solid structure, perfect outline, thunder, erosion and adding resistant
- Water and dust proof, unique grounding device to ensure the sealing performance, convenient for installation
- Horizontal design for inline closure

APPLICATIONS

- FTTH, FTTO, FTTX
- Fiber Optic Telecommunication
- Optical network equipment
- LAN (Local Area Network)

TECHNICAL CHARACTERISTIC

Parameters	Value
Operating Temperature	-40°C to +65°C
Injected Air Pressure	60KPa
Amplitude	≤ 5KPa
Colour	Black
Dimension	433mm x 175mm x 75mm with 2 inlet + 2 outlet (12, 24 core) 399mm x 189mm x 90mm with 2 inlet + 2 outlet (36, 48 core) 451mm x 180mm x 112mm with 2 inlet + 2 outlet (72, 96, 144 core)

Part No.	Inline Closure Type
ANX-IC = Annexecom Inline Closure	24 = 24 Core 48 = 48 Core 96 = 96 Core 144 = 144 Core
ANX-IC	aaa



Fiber Optic Inline Closure With Adapter



FEATURES

- Made of Polypropylene (PP) to ensure harsh conditions such as vibration, impact, tensile cable distortion and strong temperature changes (Others material can be customized upon customer require such as PC or ABS)
- The closure are design in SLIDE-INLOCK and it's opening angle is about 90°
- The closure is used for splicing part of main fiber cable with branching fiber cable, meanwhile splicing its rest part with pigtail or drop cable, connecting optical exchange equipment via patch cord.
- The distribution unit can fit with SC, FC, LC, ST adapter at front panel to meet with customers various needs.
- Can be apply to area such as underground, aerial, direct buried or wall mounting
- Capacity from 12 core up to 144 core
- · Solid structure, perfect outline, thunder, erosion and adding resistant
- Water and dust proof, unique grounding device to ensure the sealing performance, convenient for installation
- Horizontal design for inline closure with drop cable port

APPLICATIONS

- FTTH, FTTO, FTTX
- Fiber Optic Telecommunication
- Optical network equipment
- LAN (Local Area Network)

TECHNICAL CHARACTERISTIC

Parameters	Value
Operating Temperature	-40°C to +65°C
Injected Air Pressure	60KPa
Amplitude	≤ 5KPa
Colour	Black
Dimension	450mm x 216mm x 160mm with 3 inlet + 3 outlet (12 to 48 core)

Part No.	Inline Closure with Adapter Type
ANX-ICDC = Annexecom Inline Closure with Adapter	12 = 12 Core 24 = 24 Core 36 = 36 Core 48 = 48 Core
ANX-DCDC	aaa



Fiber Optic DP Pedestal





FEATURES

- Made of electro-galvanized steel sheet with polyesther epoxy powder coating finishing
- Protection Insulation IP65
- Multiple installation options: floor mounted or on top of plinth
- · Adapter type: FC, SC, ST, LC
- Capacity up to 24 port. However, others capacity can be customized as required
- Quick field installation
- It's designed especially for outdoor optical nodes in access network
- Perfect design for easy diber cable routing & friendly maintenance of fiber cable
- Built-in compartment for installation of fiber optic splitter. Such as 1 x 8, 1 x 16 and so on.
- Suitable for housing, commercial & factory industrial area

APPLICATIONS

- FTTH, FTTO, FTTX
- Fiber Optic Telecommunication
- CATV System
- LAN (Local Area Network)

TECHNICAL CHARACTERISTIC

Parameters	Value
Operating Temperature	-45°C to +85
Injected Air Pressure	≤ 85% (+30°C)
Colour	Black
Dimension	562mm x 390mm x 230mm (6, 8, 12, 16, 24 port)

Part No.	Connector	Fiber Port	Cable Type
ANX-DPP = Annexecom DP Pedestal	FC = FC FCA = FC/APC LC = LC	06 = 6 ports 08 = 8 ports	SM = Single Mode OS1 / OS2
Dr redestal	LCA = LC/APC SC = SC SCA = SC/APC ST = ST/UPC	12 = 12 ports 16 = 16 ports 24 = 24 ports	MM = Multi Mode OM1 / OM2 / OM3 OM4 / OM5
ANX-DPP	aa	bb	ZZ



Fiber Optic Cross Connect Cabinet







FEATURES

- Imported cabinet body with high intensity and anti-erosion performance
- It is able to counter abrupt climate change and influences of extreme environment
- Capacity can be flexibly customized as required.
 Installation is guick and convenient.
- Protection insulation IP65
- Adapter panel slants on the operation facia which will prevent it from being scotched by light as well ensuring the curve radius of the optic fiber
- Built-in direct splice unit is capable for providing direct connection function
- Perfect design of fiber wiring routing could facilitate management and maintenance of fibers.
- Multiple installation options, including floor and wall installations.
- With secure and reliable fastening and grounding protection devices for the optic fiber
- Outdoor cross connection cabinets are outdoor optical equipment that is especially designed for outdoor optical nodes in access network

TECHNICAL CHARACTERISTIC

Parameters	Value
Insertion Loss	≤ 0.2dB to ≤ 0.3dB
Return Loss	≥ 30dB to ≥ 60dB
Operating Wavelength	850nm, 1310nm, 1510nm
Relative Humidit	≤ 0.2dB
Atmosphere Pressurey	≤ 0.2dB
Operating Temperature	-40°C to +75°C
Storage Temperature	-40°C to +85°C

ORDERING INFORMATION

Part No.	Fiber Quantity	Dimension (mm)	Weight (kg)
FDC-144	144	960 x 530 x 325	50
FDC-288	288	1430 x 750 x 300	40
FDC-576	576	1500 x 1450 x 360	150

Note: The weight doesn't contain the splice trays and the wooden carton



Soho Box



FEATURES

- Made of high quality cold-roll steel with electro galvanized finishing
- Smart box integrated of intelligent system and FTTH System
- Mainly applied in modern home, intelligent house estate, public entertainment places and etc.
- The panel design technology for two type of installation in order to avoid the effecting of the appearance when installing
- Comfort and easy installation based on X4AWG specification
- Self-lock mechanism plug to guarantee the high reliability of single connection

APPLICATIONS

- FTTH, FTTO, FTTX
- Fiber Optic Telecommunication
- Optical Network Equipment
- LAN (Local Area Network)

TECHNICAL CHARACTERISTIC

Parameters	Value
Operating Temperature	-25°C to +40°C
Storage Temperature	-25°C to +55°C
Relative Humidity	≤ 85% (+30°C)
Colour	White (Others color can be apply upon customer requirement)
Dimension (with cover)	375mm x 323mm x 140mm
Dimension (wall installation)	350mm x 300mm x 120mm

ACCESSORY LIST

Item	Specification	Unit	Qty	Remark
Face Plate	FP-008	Set	2	Standard
Power Socket	Standard	Set	1	Standard
Binding Post	3	Set	1	Standard
Telephone Module	1 in 4 out	Set	1	Optical
UTP Patch Panel	1 -12 ports	Set	1	Optical

Part No.	Description
ANX-SOHO/1001	Soho Box



Fiber Optic Tester & Tool Kits



Visual Fault Locator ANX-VFL10/20/30



Cable Tubing Cutter ANX-TC002



Fiber Optic Microscope ANX-M1001



Fiber Optic Cleaning Stick 1.25μm / 2.5μm



Fiber Optic Connector Cleaner



One Click Adapter Cleaner



Optical Power Meter
ANX-OPM100



Optical Power Meter
ANX-OPM3208C



Optical Light Source
ANX-OLS3109



Optical Line Test Set ANX-OLTS3209







FTTH Tool Kits with Bag







TM Approval Certificates









Optical Distribution Frame

Loose Tube Cable

Fiber Wall Socket (FWS)

Fiber Termination Box (FTB)







Drop Cable Riser Cable Indoor Cable



SIRIM & UL Certificates







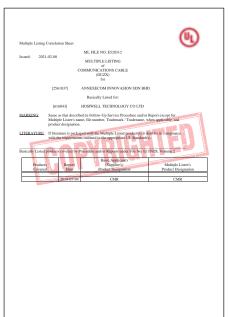
Indoor Cable

Outdoor Loose Tube Cable

2 Cores Cable







Fiber Wall Socket

Fiber Termination Box

Communication Cable

REVOLUTIONARY INNOVATION BEYOND CONNECTION

www.annexecom.my

