

Doc. No: OPX-495x-xx



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General Description

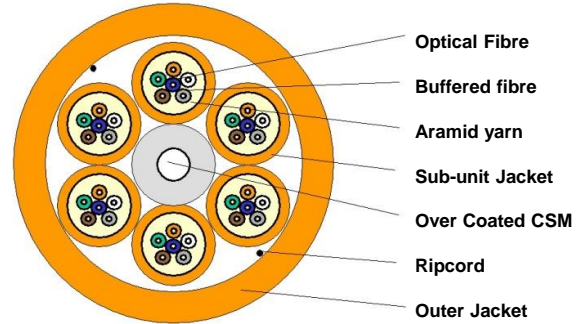
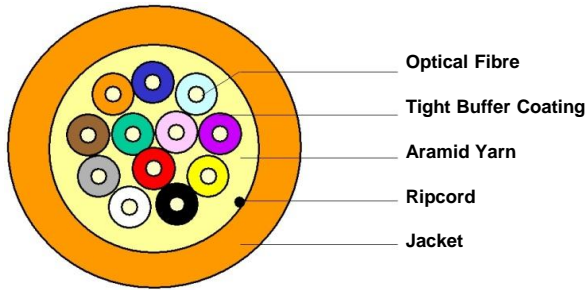
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Application

This specification covers the general requirements for fibre optic telecommunication cables used for indoor/outdoor application.

Cable Description

1. Single-Unit, Distribution Cable (2~24 Fibres)
Tight buffered fibre, dielectric strength member and LSZH (Low Smoke Zero Halogen) jacket
2. Multi-Unit, Distribution Cable (36~144 Fibres)
Tight buffered sub-unit cables, dielectric central strength member (CSM), LSZH (Low Smoke Zero Halogen) jacket.



ITEMS	DESCRIPTION
Number of Fibres	2 ~ 24
Type of Fibre	Single Mode, 62.5 Multi Mode, 50 Multi Mode
Tight Buffer Coating	Material: PVC
	Outer diameter: 900±50 μm
Dielectric Strength Member	Aramid Yarn
Rip Cord	Aramid ripcord
	(For 6 ~ 12 fibre cable)
Outer Jacket	Material: LSZH Compound

Multi-unit Cable ITEMS	DESCRIPTION
Number of Fibres	36 ~ 144
Type of Fibre	Single Mode, 62.5 Multi Mode, 50 Multi Mode
Tight Buffer Coating	Material: PVC
	Outer diameter: 900±50 μm
	No. of the Tight Buffered Fibre
	6: For 18~24 Fibre Cable
	12 : For 36~144 Fibre Cable
Sub-unit	Dielectric
	Strength Member
	Aramid Yarn
	Sub-unit Jacket
	PVC or LSZH Compound
Dielectric CSM	FRP (Fibreglass Reinforced Plastic) with
	PVC or LSZH Coating
Rip Cord	Aramid Ripcord
Outer Jacket	Material: LSZH Compound

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ITEMS	UNITS	SPECIFICATION	
		50 Multi Mode	62.5 Multi Mode
Attenuation	dB/km	≤ 3.0 at 850nm	≤ 3.5 at 850nm
Bandwidth	MHz.km	≤ 1.0 at 1300nm	≤ 1.0 at 1300nm
		≥ 500 at 850nm	≥ 200 at 850nm
Numerical Aperture	-	≥ 500 at 1300nm	≥ 500 at 1300nm
Core Diameter	μm	0.20±0.015	0.275±0.015
Core Non-circularity	%	50±3.0	62.5±3.0
Cladding Diameter	μm	≤ 6.0	≤ 6.0
Cladding Non-circularity	%	125±2.0	125±2.0
Core/Cladding	μm	≤ 2.0	≤ 2.0
Concentricity Error	μm	≤ 3.0	≤ 3.0
Coating Diameter	μm	245±15	245±15
Proof Test	kpsi	≥ 100	≥ 100

Ordering Information

Part Number	Description Remarks
OPX-4952-xxx*	OPLINX 6 fibre indoor / outdoor riser cable LS0H (x = fibre type)
OPX-4954-xxx*	OPLINX 12 fibre indoor / outdoor riser cable LS0H (x = fibre type)
OPX-4956-xxx*	OPLINX 24 fibre indoor / outdoor riser cable LS0H (x = fibre type)
	*xxx= OM1, OM3 or SM fibre type