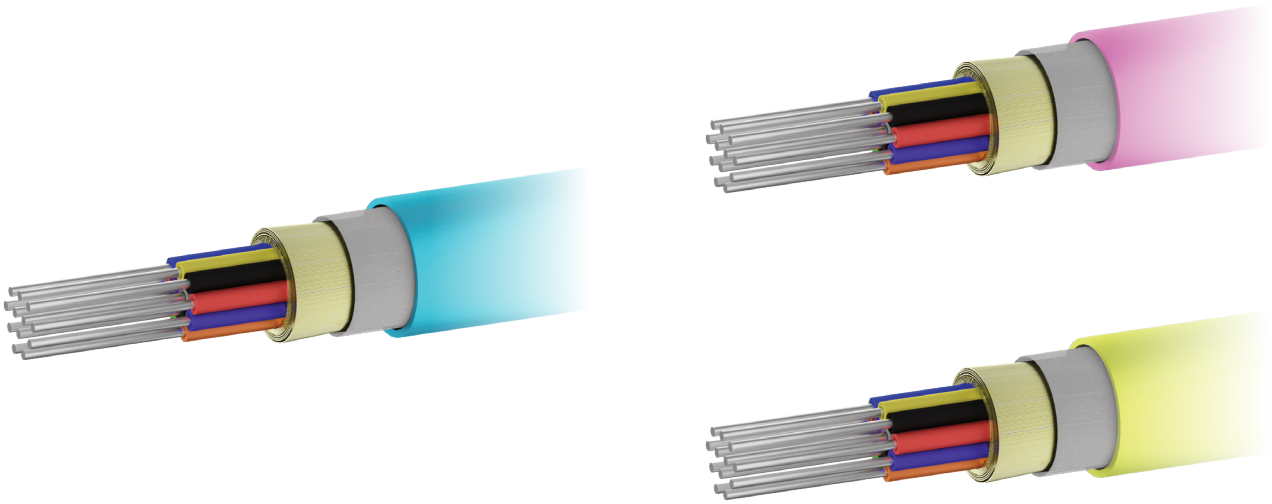


DISTRIBUTION RISER FIBRE OPTIC CABLE

PART NUMBER: PTR-XXC-YYY



PRODUCT DESCRIPTION

SERVEREDGE Distribution riser cable is ideal for installations requiring a flexible, lightweight and reliable cable design where excellent mechanical and environmental protection remain necessary. The balance between compact size and rugged construction make distribution the preferred cable for many pre-terminated cable assemblies or site terminated fibre networks. SERVEREDGE riser cable is available in OM3, OM4 and Single mode OS2.

PRODUCT FEATURES

- Low smoke, zero halogen jacket
- High performance components and construction
- Complies with relevant ITU, IEC, standards & specifications
- High strength to weight ratio allows for easy handling
- Aramid yarn strength member and all dielectric cable construction
- 900um buffer eliminates the need for costly and time consuming fanout kits or pigtail splices because connectors terminate directly to the fibre
- Cable materials are indoor/outdoor – UV, water and fungus resistant
- Wide operating temperature range of -20°C to +70°C
- 6, 12, 24 Fibres
- Warranty 25 Years*

APPLICATIONS

- Suitable for indoor/outdoor confined spaces
- Building risers
- Cable trays
- Central offices
- Campus networks

GUARANTEE/WARRANTY

Serveredge products are manufactured at the highest standards using highest quality materials at an affordable price. This Serveredge product comes with a 2 year warranty standalone or a 25 years warranty as part of a certified structured cabling project. Subject to Serveredge Terms and Conditions*

MECHANICAL CHARACTERISTICS

Temperature Range [IEC 60794-1-2-F1]	-20 °C to +70 °C, 2 Cycle 8 hours
Cable Bending Radius [IEC 60794-1-2-E11 A]	Long Term: 20 x D, D = Cable Diameter Short Term: 10 x D, D = Cable Diameter
Tensile Force [IEC 60794-1-2-E1]	During Installation: 450 N During Operation: 250 N
Torsion Resistance [IEC 60794-1-2-E7]	5 Cycle [± 180°] 30 N Weight, Length under Test-2 meters
Crush Resistance [IEC 60794-1-2-E3]	1000 N [100 X 100 mm] for 5 minutes
Impact Resistance [IEC 60794-1-2-E4]	10J 1 Impact each at 3 points
Kink Resistance [IEC 60794-1-2-E10]	10 x D, D = Cable Diameter
Water Penetration [IEC 60794-1-2-F5 B]	1 Meter Water Head, 3 Meters Cable Sample, 24 Hours

OPTICAL CHARACTERISTICS

Single Mode	
Attenuation at 1310 nm	≤0.40 dB/Km
Attenuation at 1550 nm	≤0.30 dB/Km
Multi Mode	
Attenuation at 850 nm	≤3.5 dB/Km
Attenuation at 1300 nm	≤1.5 dB/Km

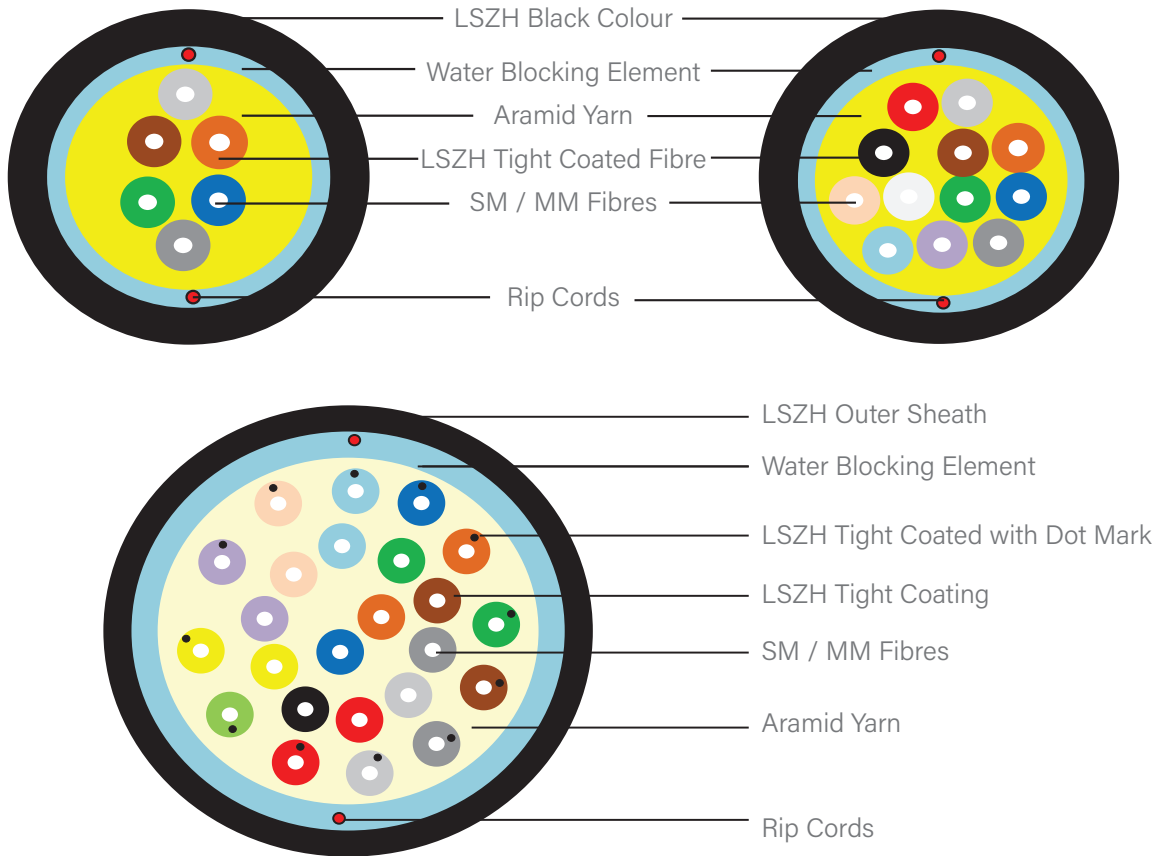
CABLE CONSTRUCTION DETAILS

CABLE CONSTRUCTION DETAILS			
	6 Core	12 Core	24 Core
No. of Fibres	06 Fibres	12 Fibres	24 Fibres
Fibre Colour	Natural	Natural	Natural
Tight Coating	LSZH, 900 micron nominal	LSZH, 900 micron nominal	LSZH, 900 micron nominal
Tight Coating Colour	Blue, Orange, Green, Brown, Slate & White	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose & Aqua	12F LSZH Coloured: Blue, Orange, Green, Brown, Slate, White, Red,Black, Yellow, Violet, Rose & Aqua 12F LSZH Coloured with Black Dot Mark: Blue, Orange, Green,Brown, Slate, White, Red, Light Green, Yellow, Violet, Rose & Aqua
Strength Member	Aramid Yarn	Aramid Yarn	Aramid Yarn
Moisture Barrier	Water Blocking Element	Water Blocking Element	Water Blocking Element
Rip Cord	Two below Sheath	Two below Sheath	Two below Sheath
Outer Sheath	LSZH	LSZH	LSZH
Outer Sheath Colour	OS2- Yellow OM3- Aqua OM4- Violet	OS2- Yellow OM3- Aqua OM4- Violet	OS2- Yellow OM3- Aqua OM4- Violet

CABLE PHYSICAL CHARACTERISTICS

CABLE CONSTRUCTION DETAILS			
	6 Core	12 Core	24 Core
Cable Outer Diameter	6.0 ± 0.4 mm	7.5 ± 0.4 mm	9.2 ± 0.5 mm
Nominal Cable Weight	34 Kg/Km	52 Kg/Km	80 Kg/Km
Cable length per Drum	0.5/1.0/2.0 Km	0.5/1.0/2.0 Km	0.5/1.0/2.0 Km
Printing Method	Inkjet	Inkjet	Inkjet
Strength Member	Aramid Yarn	Aramid Yarn	Aramid Yarn

CROSS SECTION



ORDERING INFORMATION

PTR-XXC-YYY

NUMBER OF CORES

6
12
24

FIBRE TYPE

OM3
OM4
OS2