24F OM4 CPR Rated
Micro Distribution Cable

24F SM Plenum
Micro Distribution Cable

Overview

SpliceGroup™ offers a comprehensive portfolio of fibre cable, available in both CPR and Plenum-rated designs for indoor environments such as data centers and enterprise networks.

Our range includes single tube and break-out assemblies engineered to deliver exceptional optical performance, durability, and long-term reliability.
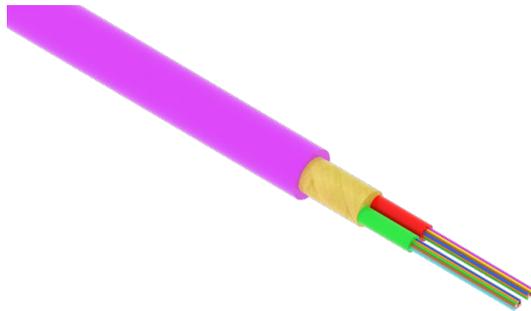
Available in configurations ranging from 12F to 288F and supporting S/mode and OM1-OM5 fibre types, these indoor cables are designed for rapid deployment within high-density network environments.

Featuring LSZH or Plenum-rated jackets and colour-coded for easy identification, SpliceGroup™ cables streamline installation while meeting stringent industry standards.
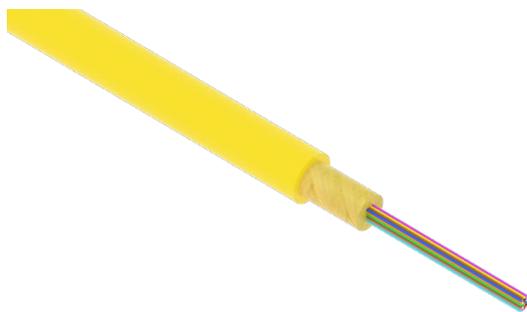
The SpliceGroup™ portfolio provides the scalability and flexibility required to accommodate evolving network demands.
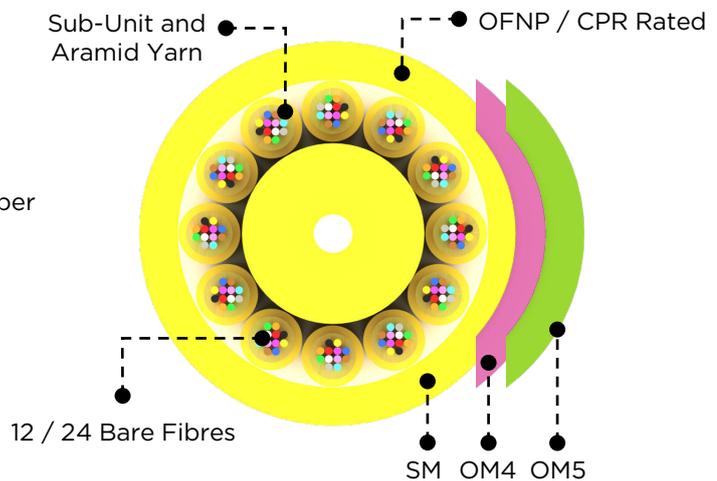
Main Features

- High-Density
- Plug and Play
- Base-8, 12, and 24 compatible
- Accommodating up to 288 fibre connections
- Bend Radius Controlled
- Available in SM, OM1 – OM5.

Sub-Unit and Aramid Yarn

OFNP / CPR Rated

Strength Member

12 / 24 Bare Fibres

SM OM4 OM5

Cable Structure
144F CPR Rated Micro Distribution Cable

Specifications

General Specifications

Application	Indoor – Data Centre, Co-Location, Enterprise, FTTH
Product Type	Optical Fibre Cable
Compatibility	ODF, Panel, Pre-Term, Splice

Data
Sheet

Indoor Fibre Cable
Micro Optical Fibre Cable

SPLICE
GROUP™

Design Hardware

Construction Type	Micro-Bundle
Optical Fibre Type	Single Mode (G.657A1), Multimode (OM3, OM4, OM5)
Halogen & Metal Free	Yes

Dimension Characteristics

Cable Rating	OFNP (Plenum)			CPR Rated (B2ca-s1a,d0,a1)		
Nominal Outer Diameter	3.0mm	10.0mm	10.0mm	4.0mm	10.0mm	12.0mm
Number of Fibres	24	96	144	24	96	144
Number of Micro-Bundles/Binders	2	8	12	2	8	12
Micro-Bundles Diameter	NA	2.0mm	2.0mm	1.2mm	2.0mm	2.0mm
Weight (kg/km)	8	102	102	16	96	165

Mechanical Characteristics

Cable Rating	OFNP (Plenum)			CPR Rated (B2ca-s1a,d0,a1)		
Maximum Installation Tension	200N	1320N	1320N	600N	1600N	2200N
Maximum Permanent Tensile Load	60N	400N	400N	200N	NA	NA
Crush Resistance (N/cm)	100	300	300	200	300	300
Maximum Bend Radius (Installation)	60mm	200mm	200mm	80mm	155mm	190mm
Maximum Bend Radius (Service)	30mm	100mm	100mm	40mm	NA	NA

Reaction to Fire

Performance Class Level	Optical Fibre Non-Conductive Plenum
	CPR Rated: B2ca-s1a,d0,a1

Standards

Temperature	IEC 60794-1-2 F1
Tensile Performance	IEC 60794-1-2 E1
Crush Resistance	IEC 60794-1-2 E3
Impact	IEC 60794-1-2 E4
Repeated Bending	IEC 60794-1-2 E6
Torsion	IEC 60794-1-2 E7
Bending	IEC 60794-1-2 E11
Flame Retardant	IEC 60332-1-2, EN 60332-1-2
Minimum Smoke Emissions	IEC 61034-1/-2, EN 61034-1/-2
Zero Halogen, Non-Corrosive Gases	IEC 60754-1/-2

Cable Options and Colours

Optical Fibre	Single Mode / Multimode
Jacket Colour	Singe Mode: Yellow
	Multimode: Aqua, Heather Violet, & Lime Green