

# Single Loose Tube Fibre Optic Cable (2-24 Fibres) CPR



## Item Description

2 to 24 fibre OM1, OM2, OM3, OM4 multimode or OS1/OS2 ITU-T G.652D, G.657A1 or G.657A2 single mode 250  $\mu\text{m}$  single loose tube internal/external duct cables with e-glass strength members and Low Smoke Zero Halogen (LSZH) jacket. The single loose tube cables consist of 2 to 24, 250  $\mu\text{m}$  optical fibres in a single gel filled loose tube with e-glass non metallic strength members and black LSZH, UV resistant jacket. Euroclass Dca-s2,d1,a1

## Features/Benefits

- Choice of fibre types
- Colour coded fibres
- E-glass strength members for rodent resistance
- Flame retardant LSZH jacket option for enhanced fire performance
- Euroclass Dca-s2,d1,a1
- Compact 250  $\mu\text{m}$  loose tube construction
- Jacket colour is black as standard, other colours are available on request

## Applications

- Suitable for internal / external duct applications
- Suitable for environments where rodent resistance is required
- Ideal for intra building links in campus environments

## Specifications

DESCRIPTION	TEST METHOD	UNIT	2-24 CORE
Outer Diameter		mm	5.8 ± 0.3
Weight		kg/km	37
Maximum Tensile Load (installation)	IEC 60794-1-21 E1	N	1250
Maximum Tensile Load (installed)	IEC 60794-1-21 E1	N	420
Minimum Bend Radius (installation)	IEC 60794-1-21 E6	Times diameter	20
Minimum Bend Radius (installed)	IEC 60794-1-21 E11	Times diameter	10
Fire Performance	BS EN 50575	Euroclass	Dca-s2,d1,a1
Operating Temperature	IEC 60794-1-22 F1	°C	-30 ~ +60
Storage Temperature	IEC 60794-1-22 F1	°C	-30 ~ +60
Installation Temperature	IEC 60794-1-22 F1	°C	-5 ~ +40
Crush Resistance (Short tern)	IEC 60794-1-21 E3	N/100 mm	1500
Cable Water Blocking	IEC 60794-1-22 F5		PASS

Fire Test Parameter	Test Method	Result
Reaction to Fire	IEC 60332-1	
Toxicity	EN 50575	EuroClass Dca-s2,d1,a1
Smoke Density	NF X 70-100-2	
Halogen acid gas content	IEC 60754-1	Zero
Degree of acidity of gases	IEC 60754-2	Minimum 4.3 pH Maximum 10 µS/mm

## Technical drawing

