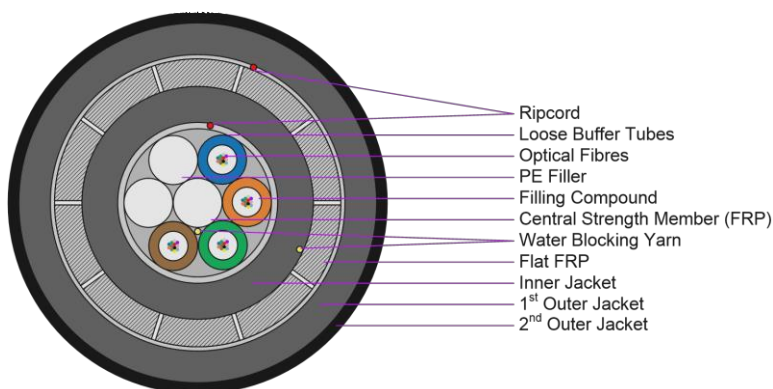


# Fibre Optic Cable

## Rodent Resistant Fibre Optic Cable

Product Code: FOCRR



### Mechanical and Environmental Performance

Items	Units	Specification
Attenuation Coefficient	dB/km	≤ 0.36 at 1310 nm
		≤ 0.35 at 1383 nm
		≤ 0.22 at 1550 nm
Chromatic Dispersion	Ps/nm.km	≤ 3.2 at 1285 nm ~ 1330 nm
		≤ 18 at 1550 nm
Zero Dispersion Wavelength	nm	1300 ~ 1321
Zero Dispersion Slope	Ps/nm <sup>2</sup> .km	≤ 0.092
Polarization Mode Dispersion (Cabled Fibre)	Ps/vkm	≤ 0.5
Cut-off Wavelength (acc, Cabled Fibre)	nm	≤ 1260
Mode Field Diameter	µm	9.2 ± 0.4 at 1310 nm
		10.5 ± 1.0 at 1550 nm
Core – Clad Concentricity Error	µm	µm 0.6
Cladding Diameter	µm	125 ± 1.0
Cladding Non-Circularity	%	≤ 1
Proof Test Level	Kpsi	≥ 100
Coating Diameter	µm	245 ± 10
Attenuation with Bending (60mm x 100 turns)	dB	≤ 0.05 at 1310 nm
		≤ 0.10 at 1550 nm

### Colour Coding Individual Fibres

No. of Fibre	Colour
1	Blue
2	Orange
3	Green
4	Brown
5	Slate
6	White
7	Red
8	Black
9	Yellow
10	Violet
11	Rose
12	Aqua

### Cable Construction

Items	Description	
Number of Fibres	Up to 288	
Max No. of Fibres per Tube	Max. 12	
Loose Buffer Tube	PBT (Polybutylene Terephthalate)	
Filling Compound in Loose Buffer Tube	Thixotropic Jelly Compound	
Filler	Polyethylene Rod (If Necessary)	
Central Strength Member	FRP (With PE Over-Coat if Necessary)	
Water Blocking Material	Water Blocking Yarn	
Core Wrapping Tape	Water Blocking Tape (To Prevent The Ingress of Water)	
Auxillary Strength Member	Glass Yarns if Necessary)	
Ripcord	Two Ripcords	
Dielectric Armour	Material	Flat FRP
	Size	Width x Thickness = 3.00mm x 0.7mm
Outer	1 <sup>st</sup> Material	Black MDPE or HDPE
	Thickness	Nom. 1.0mm
	2 <sup>nd</sup> Material	Blue Nylon
	Thickness	Nom. 0.5mm
Number of Fibres	Up to 24F    Up to 36F    Up to 72F    Up to 96F	
1 <sup>st</sup> Stranding Layer	Max. 6 Tubes    Max. 6 Tubes    Max. 6 Tubes    Max. 9 Tubes	

### Colour Coding Loose Buffer Tubes

No. of Tube	Colour
1	Blue
2	Orange
3	Green
4	Brown
5	Slate
6	White
7	Red
8	Black
9	Yellow
10	Violet
11	Rose
12	Aqua
13	Blue/BK Stripe
14	Orange/BK Stripe
15	Green/BK Stripe
16	Brown/BK Stripe
17	Slate/BK Stripe
18	White/BK Stripe
19	Red/BK Stripe
20	Black/WH Stripe
21	Yellow/BK Stripe
22	Violet/BK Stripe
23	Rose/BK Stripe
24	Aqua/BK Stripe