

MICRO ARMoured INDOOR/ OUTDOOR OPTICAL FIBRE CABLE

The micro armoured tight buffered indoor/outdoor distribution cables consist of 2 to 24 of 250µm buffered optical fibres surrounded aramid yarn strength members jacketed in an black OFNR outer jacket.

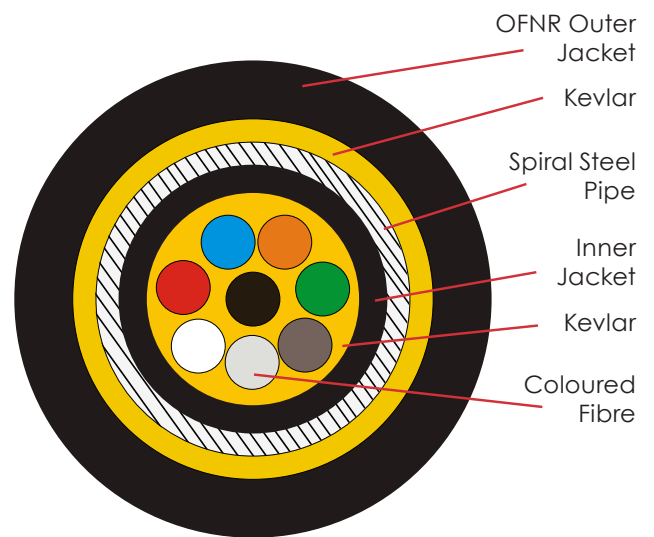


FEATURES:

- Stock Coded in 6,12 & 24 Core OM3 & OS2 G.652D Fibre
- Available on request in OM4 and alternate core sizes
- Colour coded fibres
- High strength spiral steel pipe and metal woven net for crush resistance
- Black OFNR jacket

APPLICATIONS:

- Indoor/Outdoor cable for installation in harsh environments or portable applications
- Fibre backbones in riser and horizontal configurations



OUTSIDE DIAMETER		
CORE	2-12	14-24
OD (mm)	5.0±0.5	6.0±0.5

PRODUCT SPECIFICATIONS		
PERFORMANCE	LONG TERM	SHORT-TERM
Max. Tension (N)	300	750
Max. Crushing Resistance (N/100mm ²)	500	1000
Min. Bending Radius	30D (Dynamic)	15D (Static)
Storage & Operating Temperature	-40°C - 80°C	

FIBRE SPECIFICATIONS						
OPTICAL FIBRE TYPE	UNIT	SM G652	SM G652D	MM 50/125	MM 62.5/125	MM OM3-300
Waveband	nm	1310/1550	1310/1550	850/1300	850/1300	850/1300
Attenuation	dB/km	0.5/0.4	0.5/0.4	3.5/1.5	3.5/1.5	3.5/1.5

FIBRE SPECIFICATIONS

FIBRE PROPERTY	MAIN INDEXES	TECHNICAL PARAMETER	
Geometrical Dimensions	Cladding Diameter	125.0±0.7µm	
	Cladding No-Circularity	≤1%	
	Coating Diameter	245±8µ	
	Coating Conecentricity Error	≤12µm	
	Coating Non-Circularity	≤6%	
	Core/Cladding Concentricity Error	≤0.6µm	
	Fibre Curl (Radius)	≥4M	
	MFD (1310nm)	9.2±0.4µm	
	MFD (1500nm)	10.4±0.5µm	
	Attenuation at 1310nm	≤0.34 dB/km	
	Attenuation at 1383nm	≤0.34 dB/km	
	Attenuation at 1555nm	≤0.20 dB/km	
	Attenuation at 1625nm	≤0.24 dB/km	
	Max Attenuation at 1285-1330nm Compared to at 1310nm	≤0.04 dB/km	
Max Attenuation at 1525-1575nm Compared to at 1550nm	≤0.03 dB/km		
Optical Characteristics	Attenuation Discontinuity at 1310nm	≤0.05 dB	
	Attenuation Discontinuity at 1550nm	≤0.05 dB	
	PMD	≤0.2ps(km ^{1/2})	
	PMDq	≤0.1ps(km ^{1/2})	
	Zero-Dispersion Wavelength	1312±12nm	
	Zero-Dispersion Slope	≤0.091ps(nm ² .km)	
	1285 ~ 1339nm	≤3.4ps(nm.km)	
	1271 ~ 1360nm	≤5.3ps(nm.km)	
Mechanical Property	Cable Cutoff Wavelength	≤1260nm	
	Proofstest Level	1%	
	Dynamic Fatigue	≥20	
Environmental Property	Coating Strip Force	Average Value	1.5N
		Peak Value	1.3 - 8.9N
	Temperature Attenuation (-60°C to +85°C two cycles at 1550nm)	≤0.05dB/km	
	Temperature-Humidity Cycling Attenuation (-60°C to +85°C two cycles at 1550nm)	≤0.05dB/km	
	Water Immersion Attenuation (23±5°C, 30 days 1550nm)	≤0.05dB/km	
Bending Property	Dry Heating Ageing Attenuation (85±2°C, relative humidity 50%, 30 days 1550nm)	≤0.05dB/km	
	1 turn Φ 32mm 1550nm	≤0.05dB/km	
	100 turn Φ 50mm 1310nm	≤0.05dB/km	
	100 turn Φ 50mm 1550nm	≤0.05dB/km	
	100 turn Φ 60mm 1625nm	≤0.05dB/km	

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PRODUCT CODES & LENGTHS			
MODEL CODE	TYPE	LENGTH	CORE
F-MAOM306-300M	OM3	300M	6
F-MAOM306-500M	OM3	500M	6
F-MAOM306-1KM	OM3	1KM	6
F-MAOM306-2KM	OM3	2KM	6
F-MAOM312-500M	OM3	500M	12
F-MAOM312-1KM	OM3	1KM	12
F-MAOM312-2KM	OM3	2KM	12
F-MAOM324-500M	OM3	500M	24
F-MAOM324-1KM	OM3	1KM	24
F-MAOM324-2KM	OM3	2KM	24
F-MAOS206-1KM	OS2	1KM	6
F-MAOS206-2KM	OS2	2KM	6
F-MAOS212-1KM	OS2	1KM	12
F-MAOS212-2KM	OS2	2KM	24
F-MAOS224-1KM	OS2	1KM	12
F-MAOS224-2KM	OS2	2KM	24