

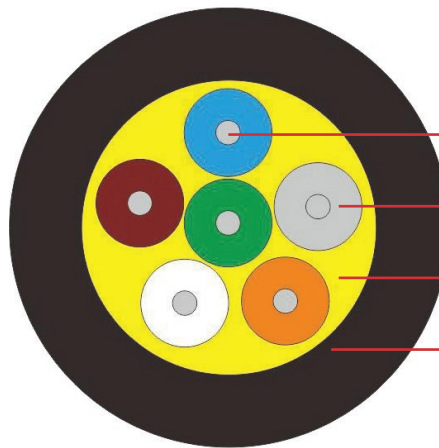
# OM4 6 CORE TIGHT BUFFERED FIBRE INDOOR/OUTDOOR CABLE

## DESCRIPTION

Our DYNAMIX OM4 tight-buffered indoor/outdoor fibre distribution cable contains 6 fibres of 250µm bundled under the same black OFNR outer jacket with an Aramid yarn strength as reinforcement to stiffen the cable and prevent kinking. The cable is light weight, soft and easy to peel. It is widely used as fibre pigtails and fibre jumpers for communication equipment. This cable is 100% tested and certified. It complies with ISO/IEC 11801 OM4 specifications, IEC 60793-2-10 type A1a.2 and A1a.3 Optical Fibre specification, and TIA-EIA-492AAAC/492AAAD

## FEATURES

- Tight-Buffered distribution cable
- 850nm Laser optimized
- OM4 50/125µm
- Low attenuation
- UV protected
- High resistance to micro bending
- Colour coded fibres
- High strength aramid yarn strength
- Black OFNR jacket



- Optical Fibre
- Tight Jacket
- Aramid Yarns
- OFNR Outer Sheath

PRODUCT CODE	DESCRIPTION	LENGTH
F-TBOM406-100M	6 Core OM4 Fibre Indoor/Outdoor Cable	100m
F-TBOM406-200M	6 Core OM4 Fibre Indoor/Outdoor Cable	200m
F-TBOM406-300M	6 Core OM4 Fibre Indoor/Outdoor Cable	300m
F-TBOM406-500M	6 Core OM4 Fibre Indoor/Outdoor Cable	500m
F-TBOM406-1KM	6 Core OM4 Fibre Indoor/Outdoor Cable	1km (1000m)

## SPECIFICATIONS

Core Diameter	50±2.5µm
Core Non-Circularity	≤5.0%
Cladding Diameter	125.0 ±1.0µm
Cladding Non-Circularity	≤1.0%
Coating Diameter	245 ±7µm
Attenuation	850nm, ≤2.4dB/km
	1300nm, ≤0.6dB/km

## SPECIFICATIONS

Overfilled Modal Bandwidth	850nm, $\geq 3500$ MHz/km
	1300nm, $\geq 500$ MHz/km
Effective Modal Bandwidth	850nm, $\geq 4700$ MHz/km
40 & 100 Gigabit Ethernet	850nm, 150m
10GBASE-SR	850nm, 550m
1000BASE-SX	850nm, 1100m
Numerical Aperture	0.200 $\pm$ 0.015
Group Refractive Index	850nm, 1.485
	1300nm, 1.477
Zero Dispersion Wavelength, $\lambda_0$	1259-1340nm
Zero Dispersion Slope, $S_0$	1295nm $\leq \lambda_0 \leq$ 1310nm, $\leq 0.105$ ps/(nm <sup>2</sup> /km)
	1310nm $\leq \lambda_0 \leq$ 1340nm, $\leq 0.000375 (1590 - \lambda_0)$ ps/(nm <sup>2</sup> /km)
Macro-bending Loss 100 Turns @37.5mm Radius	850nm, $\leq 0.50$ dB
	1300nm, $\leq 0.50$ dB
Macro-bending Loss 2 Turns @15mm Radius	850nm, $\leq 0.50$ dB
	1300nm, $\leq 0.50$ dB
Step (Mean of Bidirectional Measurement)	$\leq 0.10$ dB
Irregularities Over Fibre Length & Point Discontinuity	$\leq 0.10$ dB
Attenuation Uniformity	$\leq 0.08$ dB/km
Temperature Cycling	-60°C~85°C, $\leq 0.10$ dB/km
Temperature Humidity Cycling	-60°C~85°C, 4%~98% RH, $\leq 0.10$ dB/km

## ALSO AVAILABLE:

### F-LTGOM306-300M



300m OM3 6 Core Fibre Loose Tube GEL outdoor Fibre Roll. OFNR.

### F-ADBOM306-300M



300m OM3 6 Core Fibre Armoured Direct burial. PE

### F-MAOM306-300M



300m OM3 6 Core Micro Armoured Indoor Outdoor Fibre. LSZH

Please note we took the up-most care to compile the information in this datasheet. To the best of our knowledge all info provided were correct at the time of creation. Should any specs change we try to update info accordingly. Information are subject to change without notice. In the case that you find any irregularity please inform our team at [contactus@dynamix.co.nz](mailto:contactus@dynamix.co.nz)

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