

## Multi Loose Tube Fibre Optic Cable (24-144 Fibres)

Up to 144 fibre, 5 to 12 element dry core OM1, OM2, OM3, OM4 multimode or OS1/OS2 (ITU-T G.652D) singlemode 250µm multi loose tube rodent resistant external duct cables with e-glass strength members, and high density polyethylene (HDPE) or Low Smoke Zero Halogen (LSZH) jacket.

The multi loose tube cable construction consists of up to 144, 250µm optical fibres in 12 fibre gel filled loose tubes with fillers where appropriate, SZ stranded around a fibre reinforced plastic (FRP) central strength member with waterswellable threads and waterswellable tape. Helically applied waterblocking e-glass non metallic strength members with ripcord and black high density polyethylene (HDPE) or Low Smoke Zero Halogen (LSZH) jacket.

### Features/Benefits

- > Choice of fibre types
- > Colour coded fibres
- > Compact 250µm loose tube construction
- > PE jacket for environmental protection and water permeation resistance
- > Flame retardant LSZH jacket option for enhanced fire performance

### Applications

- > Suitable for external duct applications
- > Suitable for applications where environmental resistance is required

### Technical Specifications

DESCRIPTION		24 TO 60-CORE	72-CORE	96-CORE	120-CORE	144-CORE
Outer Diameter	mm	10.5 ±0.4	11.1 ±0.4	12.6 ±0.4	14.1 ±0.4	15.6 ±0.4
Weight	kg/km	90	97	121	148	178
Max. Load (installation)	N	1500	1500	1500	1500	1500
Max. Load (installed)	N	600	600	600	600	600
Min. Bend Radius (installation)	mm	210	220	250	280	310
Min. Bend Radius (installed)	mm	105	110	125	140	155
Operating Temp.	°C	-40~+70	-40~+70	-40~+70	-40~+70	-40~+70
Storage Temp.	°C	-20~+60	-20~+60	-20~+60	-20~+60	-20~+60
Installation Temp.	°C	-20~+60	-20~+60	-20~+60	-20~+60	-20~+60
Crush Resistance	N/100mm	2000	2000	2000	2000	2000

### Ordering Information

PRODUCT DESCRIPTION	PART NO.
OM1 PE	OM1MLT**PBK-C/Z
OM1 LSZH	OM1MLT**UBK-C/Z
OM2 PE	OM2MLT**PBK-C/Z
OM2 LSZH	OM2MLT**UBK-C/Z
OM3 PE	OM3MLT**PBK-C/Z
OM3 LSZH	OM3MLT**UBK-C/Z
OM4 PE	OM4MLT**PBK-C/Z
OM4 LSZH	OM4MLT**UBK-C/Z
OS1/OS2 PE	OS1MLT**PBK-C/Z
OS1/OS2 LSZH	OS1MLT**UBK-C/Z

Where \*\* is the fibre count between 4 & 24

