

Tight Buffered Distribution Cable (4-24 Fibres)

Optronics tight buffered internal distribution cables are constructed of 900µm buffered fibres surrounded by e-glass strength members jacketed in an LSZH outer jacket.

Features/Benefits

- > Choice of fibre type
- > Colour coded fibres
- > High strength E-Glass rodent resistant yarn strength members for ease of handling
- > LSZH jacket
- > Easy to strip

Applications

- > Internal cable for installation in trunking, under floor or ceiling spaces
- > Fibre backbones in riser and horizontal configurations

Technical Specifications

DESCRIPTION		4-CORE LSZH	8-CORE LSZH	12-CORE LSZH	24-CORE LSZH
Outer Diameter	mm	4.8 ±0.3	5.8 ±0.3	6.5 ±0.3	7.5 ±0.3
Weight	kg/km	26	34	40	61
Max. Load (installation)	N	600	750	750	900
Max. Load (installed)	N	300	375	375	450
Min. Bend Radius (installation)	mm	96	116	130	150
Min. Bend Radius (installed)	mm	48	58	65	75
Fire Performance		LSZH	LSZH	LSZH	LSZH
Operating Temp.	°C	-20~+60	-20~+60	-20~+60	-20~+60
Storage Temp.	°C	-20~+60	-20~+60	-20~+60	-20~+60
Installation Temp.	°C	-20~+60	-20~+60	-20~+60	-20~+60
Crush Resistance		1000	1000	1000	1000

Ordering Information

PRODUCT DESCRIPTION	PART NO.
OM1	OM1TB**UBK-C
OM2	OM2TB**UBK-C
OM3	OM3TB**UBK-C
OM4	OM4TB**UBK-C
OS1/OS2	OS1TB**UBK-C

Where ** is the fibre count between 4 & 24



Tight Buffered Distribution Cable Multi-core (36-96 Fibres)

36 to 96 fibre, stranded sub unit rodent resistant internal distribution cables consisting of 4 to 8, 12 fibre sub units and fillers when necessary. Each sub unit consists of 12, 900 µm tight buffered optical fibres with e-glass non-metallic strength members and LSZH jacket. The individually coloured 6mm outside diameter (OD) sub units are helically stranded around an FRP central strength member with polyester wrapping tape, ripcord and Low Smoke Zero Halogen (LSZH) final jacket.

Features/Benefits

- > Choice of fibre type
- > Colour coded fibres for easy identification
- > High strength aramid yarn strength members for ease of handling
- > Easy to use
- > Lightweight and compact
- > LSZH jacket

Applications

- > Internal cable for horizontal distribution or riser applications

Technical Specifications

DESCRIPTION		36-CORE LSZH	48-CORE LSZH	72-CORE LSZH	96-CORE LSZH
Outer Diameter	mm	17.4 ±0.5	17.4 ±0.5	21.6 ±0.5	25.5 ±0.5
Weight	kg/km	237	237	397	571
Max. Load (installation)	N	2800	2800	4600	5000
Max. Load (installed)	N	1500	1500	2000	2200
Min. Bend Radius (installation)	mm	350	350	440	500
Min. Bend Radius (installed)	mm	175	175	220	250
Fire Performance		LSZH	LSZH	LSZH	LSZH
Operating Temp.	°C	-20~+60	-20~+60	-20~+60	-20~+60
Storage Temp.	°C	-20~+60	-20~+60	-20~+60	-20~+60
Installation Temp.	°C	-20~+60	-20~+60	-20~+60	-20~+60
Crush Resistance	N/100mm	1500	1500	1500	1500

Ordering Information

PRODUCT DESCRIPTION	PART NO.
OM1	OM1TBM**UBK-C
OM2	OM2TBM**UBK-C
OM3	OM3TBM**UBK-C
OM4	OM4TBM**UBK-C
OS1/OS2	OS1TBM**UBK-C

Where ** is the fibre count between 36 & 96

