

Dual Sheath Multi Loose Steel Tape Armoured (PSP)

24 to 144 fibre, 5-12 element dry core OM1, OM2, OM3, OM4 multimode or OS1 /OS2 (ITU-T G.652D) singlemode 250 µm multi loose tube metallic armoured external duct and direct burial cables with E-glass strength members, and dual High Density Polyethylene (HDPE) jackets

The 5 -12 element multi loose tube cable construction consists of 24 to 144, 250 µm optical fibres in 12 fibre gel filled loose tubes and 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 PE inner jacket, Corrugated Steel Tape (CST) armouring and black High Density Polyethylene (HDPE) final jacket with ripcord.



Features

- Choice of fibre types
- Colour coded fibres
- Dual jackets and CST armouring for optimised impact and crush resistance
- Compact 250 µm loose tube construction
- Double PE jackets for environmental protection and water permeation resistance

Applications

- Suitable for external duct and direct burial applications
- Suitable for harsh environments where impact and crush protection is demanded
- Ideal for water crossings such as rivers and lakes

Specification

DESCRIPTION		24-CORE PE	36-CORE PE	48-CORE PE	60-CORE PE	72-CORE PE	96-CORE PE	120-CORE PE	144-CORE PE
Outer Diameter	mm	14 ±0.5	14 ±0.5	14 ±0.5	14 ±0.5	14 ±0.5	16.1 ±0.5	17.6 ±0.5	19.1 ±0.5
Weight	kg/km	210	210	210	210	210	257	298	343
Max. Load (Short Term)	N	2700	2700	2700	2700	2700	2900	3000	3300
Max. Load (Long Term)	N	1300	1300	1300	1300	1300	1500	1600	1600
Min. Bend Radius (Loaded)	mm	20D	20D	20D	20D	20D	20D	20D	20D
Min. Bend Radius (Installed)	mm	10D	10D	10D	10D	10D	10D	10D	10D
Operating Temp.	°C	-20 to +60	-20 to +60	-20 to +60	-20 to +60	-20 to +60	-20 to +60	-20 to +60	-20 to +60
Storage Temp.	°C	-20 to +60	-20 to +60	-20 to +60	-20 to +60	-20 to +60	-20 to +60	-20 to +60	-20 to +60
Installation Temp.	°C	-40 to +70	-40 to +70	-40 to +70	-40 to +70	-40 to +70	-40 to +70	-40 to +70	-40 to +70
Max Crush Resistance	N/100mm	3000	3000	3000	3000	3000	3000	3000	3000
Number of Elements		5	5	5	5	6	8	10	12

Ordering Information

DESCRIPTION	OM1 62.5/125µm MULTIMODE	OM2 50/125µm MULTIMODE	OM3 50/125µm MULTIMODE	OM4 50/125µm MULTIMODE	OS1/OS2 9/125µm SINGLEMODE
24-Core	OM1MLTSTA24PSPBK	OM2MLTSTA24PSPBK	OM3MLTSTA24PSPBK	OM4MLTSTA24PSPBK	OS1MLTSTA24PSPBK
36-Core	OM1MLTSTA36PSPBK	OM2MLTSTA36PSPBK	OM3MLTSTA36PSPBK	OM4MLTSTA36PSPBK	OS1MLTSTA36PSPBK
48-Core	OM1MLTSTA48PSPBK	OM2MLTSTA48PSPBK	OM3MLTSTA48PSPBK	OM4MLTSTA48PSPBK	OS1MLTSTA48PSPBK
60-Core	OM1MLTSTA60PSPBK	OM2MLTSTA60PSPBK	OM3MLTSTA60PSPBK	OM4MLTSTA60PSPBK	OS1MLTSTA60PSPBK
72-Core	OM1MLTSTA72PSPBK	OM2MLTSTA72PSPBK	OM3MLTSTA72PSPBK	OM4MLTSTA72PSPBK	OS1MLTSTA72PSPBK
96-Core	OM1MLTSTA96PSPBK	OM2MLTSTA96PSPBK	OM3MLTSTA96PSPBK	OM4MLTSTA96PSPBK	OS1MLTSTA96PSPBK
120-Core	OM1MLTSTA120PSPB	OM2MLTSTA120PSPB	OM3MLTSTA120PSPB	OM4MLTSTA120PSPB	OS1MLTSTA120PSPB
144-Core	OM1MLTSTA144PSPB	OM2MLTSTA144PSPB	OM3MLTSTA144PSPB	OM4MLTSTA144PSPB	OS1MLTSTA144PSPB

Technical Drawing

