



Dual Sheath Multi Loose Steel Tape Armoured (PSP)

24 to 144 250µm fibre dry core OM1, OM2, OM3, OM4 multimode or OS1 /OS2 (G.652.D) 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, optical fibres in 12 fibre gel filled loose tubes, SZ stranded around a Fibre Reinforced Plastic (FRP) central strength member with waterswellable threads and tape. Helically applied waterblocking E-glass nonmetallic strength members with ripcord and PE inner jacket, Corrugated Steel Tape (CST) armouring and black High Density Polyethylene (HDPE) final jacket with ripcord.

Features

- 250 µm loose tube construction
- Available with various fibre types
- Double PE jackets for environmental protection and water permeation resistance
- Dual jackets and corrugated steel tape armouring for enhanced impact and crush resistance
- Color coded fibres

Applications

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

Specifications

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 Temperature	°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 Temperature	°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 Temperature	°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

	Fibre Type		Jacket Type		Fibre Count	
	9	G.652.D	2	PE	24	24
OFC-MLS DP	1	OM1		
	2	OM2			144	144
	3	OM3				
	4	OM4				

Example order code

OFC-MLS DP - 9 2 - 24

Double Jacket PSP Multi Loose Tube Cable STA Singlemode PE 24 Fibres

Technical Drawing

