



Multi Loose Tube CST Fibre Cable

Multi loose tube cable with corrugated steel tape armouring. It consists of up to 12 elements and up to 144 250µm fibres in 12 fibre gel filled loose tubes around an FRP strength member with water blocking threads and tape. It includes water blocking e-glass strength members and a ripcord. There are two options for the outer jacket: Polyethylene (PE) for outdoor and Low Smoke Zero Halogen (LSZH) for indoor applications.

Features

- High crush resistance
- Water resistance
- Available with various fibre types
- PE jacket for outdoor use or LSZH jacket for indoor use
- Colour coded fibres

Applications

- External & aerial applications

Specifications

DESCRIPTION		24-CORE	36-CORE	48-CORE	72-CORE	96-CORE	144-CORE
Loose tube	Material	PBT					
	Number	2	3	4	6	12	12
Filler Rod	Material	PE					
	Colour	Black					
	Number	4	3	2	-	-	-
Outer Diameter	mm	12.0 ±0.4	12.0 ±0.4	12.0 ±0.4	12.6 ±0.4	14.1 ±0.4	17.1 ±0.4
Central strength member	Material	FRP					
Water resistance	Material	Water blocking yarn + Water blocking tape					
Armour	Material	Corrugated steel tape					
Outer sheath	Material	LSZH/PE					
	Colour	Black					
Weight	kg/km	158	160	161	181	216	295
Operating Temperature	°C	-40~+70	-40~+70	-40~+70	-40~+70	-40~+70	-40~+70
Storage Temperature	°C	-20~+60	-20~+60	-20~+60	-20~+60	-20~+60	-20~+60
Installation Temperature	°C	-20~+60	-20~+60	-20~+60	-20~+60	-20~+60	-20~+60
Tensile Strength	N	1500N (long term) 600N (short term)					
Crush Resistance	N/100mm	3000					
Static		12.5D					
Dynamic		25D					

Note: The outer diameter of the cable in the table is for reference. The actual OD value after commissioning production shall prevail.

D is the out diameter of the cable

Ordering Information

	Fibre Type		Jacket Type		Fibre Count	
OFC-MLTS	9	G.652.D	1	LSZH	24	24
	A1	G.657A1	2	PE
	A2	G.657A2			144	144
	1	OM1				
	2	OM2				
	3	OM3				
	4	OM4				
	5	OM5				

Example order code

OFC-MLTS - 9 1 - 24

Multi Loose Tube Cable STA Singlemode LSZH 24 Fibres

Technical Drawing

