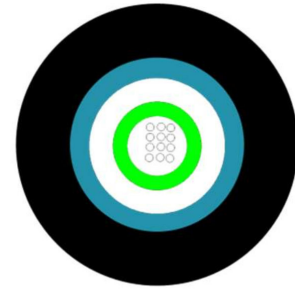


Universal Distribution Loose Tube CST Singlemode Cable up to 24 Fibres



Universal Loose tube corrugated steel tape (CST) armoured optical fibre cables have been designed specifically for applications requiring a high degree of mechanical protection, including direct burial. These compact cables are extremely rugged, provide rodent resistance and are quick and easy to install.

Features

- Sequentially Metre Marked
- Internal/External Grade
- LSOH Black Sheath
- Corrugated Steel Tape Armour
- Duct Grade
- Rodent Resistant
- CPR compliant to Eca
- Cut to length service

Standards

ISO 11801-1, EN 50173-1:2002, IEC 60794-1

Flame Resistance

LSHF (LSOH): IEC 60332-1-2; IEC 60754-1, IEC 60754-2; IEC 61034-2; Class Eca

Construction

Loose Tube	ø2.8mm gel-filled loose tube with 2-24 fibres		
Fibre Colour Code	1	Red	13 Red w/mark every 70mm
	2	Green	14 Green w/mark every 70mm
	3	Blue	15 Blue w/mark every 70mm
	4	Yellow	16 Yellow w/mark every 70mm
	5	White	17 White w/mark every 70mm
	6	Grey	18 Grey w/mark every 70mm
	7	Brown	19 Brown w/mark every 70mm
	8	Violet	20 Violet w/mark every 70mm
	9	Turquoise	21 Turquoise w/mark every 70mm
	10	Black	22 White w/mark every 35mm
	11	Orange	23 Orange w/mark every 70mm
	12	Pink	24 Pink w/mark every 70mm
Strength Member	E- Glass yarns		
Armouring	0.15mm corrugated steel tape		
Sheath	1.5mm, Black, UV stabilised, EN 50290-2-27		
Sheath Marking	EXAMPLE: 'METRE MARKED' - FASTFIBRE OPTICAL FIBRE CABLE STAM308B-KLSZHEF 8 FIBRE CST OM3 50/125 ECA *BATCH NUMBER* *WEEK/YEAR*		

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Physical Properties

Attribute	IEC 60794-1-21/22 Method	Limits		
Nominal Diameter [mm]	-	2-24 fibres: 8.5mm		
Nominal Weight [kg/km]	-	2-24 fibres: 75kg/km		
Tensile Strength (dynamic)	E1	3000 N (fibre strain ≤ 0.6%)		
Tensile Strength (permanent)	E1	1000 N (fibre strain ≤ 0.6%)		
Crush (compressive strength)	E3	2200 N / 100mm		
Torsion	E7	5 cycles ± 1 Turn		
Kink	E10	The cables do not form a kink when a loop is drawn together to a diameter of 100mm		
Minimum bending Radius unloaded (permanent)	E11	R=85mm		
Minimum bending Radius loaded (installation)		R=170mm		
Temperature Range	F1	Operation Storage and Installation	-40°C to +70°C -40°C to +70°C	
Heat of Combustion		2-24 fibres	1200 MJ/km	0.33 kWh/m

Ordering Information

Part Number	Description
STAS204BKLSZHEF	Internal/External Loose Tube Fibre CST Armoured Cable 4 Core OS2
STAS208BKLSZHEF	Internal/External Loose Tube Fibre CST Armoured Cable 8 Core OS2
STAS212BKLSZHEF	Internal/External Loose Tube Fibre CST Armoured Cable 12 Core OS2
STAS224BKLSZHEF	Internal/External Loose Tube Fibre CST Armoured Cable 24 Core OS2

Contact us at: sales@matrixgn.com

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