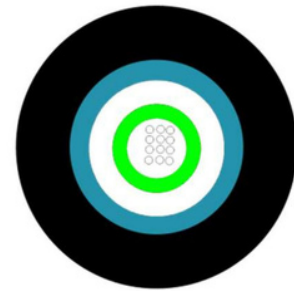


# Universal Distribution Loose Tube CST Singlemode Cable up to 24 Fibres



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	1Red13Red w/mark every 70mm
	2Green14Green w/mark every 70mm
	3Blue15Blue w/mark every 70mm
	4Yellow16Yellow w/mark every 70mm
	5White17White w/mark every 70mm
	6Grey18Grey w/mark every 70mm
	7Brown19Brown w/mark every 70mm
	8Violet20Violet w/mark every 70mm
	9Turquoise21Turquoise w/mark every 70mm
	10Black22White w/mark every 35mm
	11Orange23Orange w/mark every 70mm
	12Pink24Pink 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	<b>EXAMPLE:</b> *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 $\leq$ 0.6%)
Tensile Strength (permanent)	E1	1000 N (fibre strain $\leq$ 0.6%)
Crush (compressive strength)	E3	2200 N / 100mm
Torsion	E7	5 cycles $\pm$ 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 -40°C to +70°C Storage and Installation -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
STAS224BKLSZHEF	OS2 Internal/External Loose Tube Fibre CST Armoured Cable 24 Core OS2