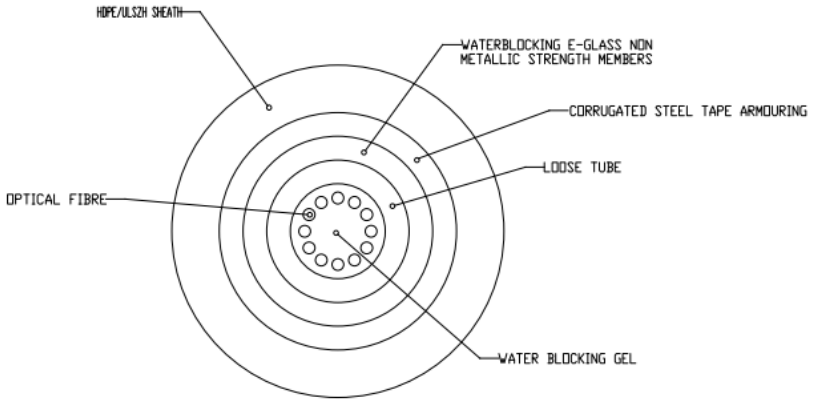

Description

CommScope Corrugated Steel Tape (CST) Single loose tube (SLT) cables consist of a range of SLT designs for up to 24 fibres. For the 4-12 fibre designs, all the fibres are contained within a 2.8mm SLT construction. For 24 fibre designs all the fibres are contained within a 4.0mm SLT construction. All these constructions are then strengthened using E-glass yarn rodent resistant strength members, a corrugated steel tape and finally a ULSZH (Universal Low Smoke Zero Halogen), or HDPE (High Density Polyethylene) jacket.

Specification

Commscope cables are designed and manufactured with our dedicated modern facilities and all activities are controlled within ISO 9001:2000 approved systems. All our products have undergone extensive type approval testing to IEC 60974 and IEC 60973 using the latest test facilities.

CommScope cables are designed and tested to conform to the fibre and cable performance requirements of, ISO 11801, and TIA/EIA B. The optical fibre specifications are guaranteed installed minimum performance (subject to correct installation and environment). If a higher performance fibre is required please contact our local sales team. Accordingly, the cables meet or exceed all of the performance requirements for current and proposed applications such as IEEE 802.3 Ethernet (Including 10 Gigabit Ethernet)

All SLT cable constructions consist of (Four, six, eight, twelve or twenty-four) primary coated 250um [single mode, 50/125um or 62,5/125um] fibres. Each construction incorporates colour-coded fibres reinforced by E-glass yarn rodent resistant strength members and oversheathed with ULSZH material for indoor/outdoor applications meeting IEC fire performance requirements, or HDPE material for outdoor applications.

The cable shall comply with the relevant performance requirements listed in the performance characteristics table. The temperature ratings for storage, shipping, installation and operation shall comply with the temperature ratings table (see performance and temperature charts)

Part numbers

Jacket colour	Fibre Type/Classification	Fibre bandwidth (dB/km) @850/1300nm	Suffix =y
Black	50/125 OM4	3500/500	2
Black	50/125 OM3	1500/500	3
Black	9/125 OS2	n/a	4
Black	62,5/125 OM1	200/600	5
Black	50/125 OM2	500/500	7

Part description	Part numbers	Part description	Part numbers
4 fibre CST ULSZH	2-599685-y	4 fibre CST HDPE	2-599681-y
6 fibre CST ULSZH	2-599686-y	6 fibre CST HDPE	2-599682-y
8 fibre CST ULSZH	2-599693-y	8 fibre CST HDPE	2-599692-y
12 fibre CST ULSZH	2-599687-y	12 fibre CST HDPE	2-599683-y
24 fibre CST ULSZH	2-599691-y	24 fibre CST HDPE	2-599690-y

Mechanical performance specification

All CommScope cables are designed and tested using our dedicated modern facilities and all activities are controlled within ISO 9001-2000 approved systems**.**

Mechanical specifications

MID/pnr	Nominal Cable OD (mm)	Sub units		Minimum Bend radius		Nominal weight (kg/km)	Rated Tensile load (N)	
		No.	O.D. mm	Install mm	Long term mm		Installation N	Long Term N
2-599685-y	10	1	2.8	200	160	102	1200	625
2-599686-y	10	1	2.8	200	160	102	1200	625
2-599693-y	10	1	2.8	200	160	102	1200	625
2-599687-y	10	1	2.8	200	160	102	1200	625
2-599691-y	10.5	1	4.0	210	160	111	1200	625
2-599681-y	10	1	2.8	200	160	102	1200	625
2-599682-y	10	1	2.8	200	160	102	1200	625
2-599692-y	10	1	2.8	200	160	102	1200	625
2-599683-y	10	1	2.8	200	160	102	1200	625
2-599690-y	10.5	1	4.0	210	160	111	1200	625

Temperature rating:

Operation: -20°C to +70°C
Installation: -5°C to +70°C
Transport / Storage: -20°C to +70°C

Cable printing:

Print legend in line with 101-131550 Method A.

Example:

COMMSCOPE GB FIBER OPTIC CABLE X599685-Y 4F 50/125 OM2 ULSZH [Batch] [Date code]
[Length marking]