

AMP NETCONNECT CST (Corrugated Steel Tape) Metal Armoured Cables are suitable especially for external applications where strong armouring is specified. They are available with HDPE (High Density Polyethylene) Jackets but also with the standard ULSZH Jacket if universal internal/external installation is required.

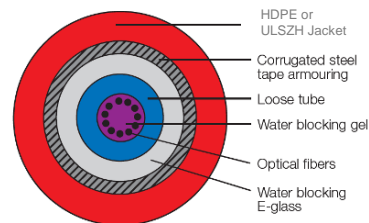
These cables are designed with a loose tube construction and feature 250µ buffered fibers. The tube is gel filled to ensure protection against moisture ingress. Around the tube a water swelling E-glass yarn for both additional water and rodent protection is applied. As a next layer directly under the outer jacket they are armoured with a corrugated steel tape.

This range of cables is designed for use in the following applications:

- Backbone Cabling
- Campus Site Cabling
- Outdoor Ducts or Direct Burial applications

All cables with ULSZH Jacket comply with the following standards:

- Fire Propagation IEC 60332-1 & -3
- Flammability IEC 61034
- Smoke Emission IEC 61034
- Acid Gas Emission IEC 60754-1 & -2
- Toxicity NES 713
- Mechanical Properties: IEC 60794 & 60793
- Operating Temperature: -40° to +70° C
- DIN/VDE 0888: A-DQ(ZN)(SR)2Y



### Mechanical Properties:

Part No. HDPE Jacket	Part No. ULSZH Jacket	No. of fibers	Outer Diameter [ mm ]	Weight [ nom. kg/km ]	Max. Inst. Tension [ N ]	Crush Resistance [ N / 10 cm ]	Min. Bend Radius [ mm ]
y-0599681-x	y-0599685-x	4	10.0	97	1250	3000	200
y-0599682-x	y-0599686-x	6	10.0	97	1250	3000	200
y-0599692-x	y-0599693-x	8	10.0	97	1250	3000	200
y-0599683-x	y-0599687-x	12	10.0	97	1250	3000	200
y-0599690-x	y-0599691-x	24	10.5	107	1250	3000	200

Fiber Type:	Packing:
x = 5 62.5/125µ [OM1]	y = 1 1 km reel
x = 7 50/125µ [OM2]	y = 2 2 km reel
x = 6 50/125µ Laser Grade [OM2 Plus]	
x = 3 50/125µ XG - 10 GigaBit [OM3]	
x = 2 50/125µ XG - 10 GigaBit [OM4]	
x = 4 9/125µ (Singlemode) [OS2 - ITU G.652D]	

### Optical Performance (for Multimode):

( For Singlemode Specifications please contact AMP NETCONNECT )

Fiber Type Att: Attenuation BW: Bandwidth	Att. 850 nm [ dB / km ]	Att. 1300 nm [ dB / km ]	BW @ 850 nm [ MHz. km ]	BW @ 1300 nm [ MHz. km ]	Max. Distance [m]		Max. Distance [m] 10GBase-SR
					1000Base-		
					850nm (SX)	1300 nm(LX)	
62.5/125 µ [OM1]	< 2.9	< 0.7	> 200	> 600	275	550	33
50/125 µ [OM2]	< 2.4	< 0.6	> 500	> 500	550	550	82
50/125 µ LaserGrade [OM2 Plus]	< 2.4	< 0.6	> 600	> 1.200	750	2,000	110
50/125 µ XG-10 GigaBit [OM 3]	< 2.7	< 0.7	> 1.500	> 500	1000	600	300
50/125 µ XG-10 GigaBit [OM 4]	< 2.7	< 0.7	> 3.500	> 500	1040	600	550

All specifications in compliance with latest revisions of ISO/IEC 11801, EN 50173 & EIA/TIA 568

© Copyright 2009 Tyco Electronics  
All rights reserved. Tyco Electronics, TE Logo, AMP and AMP NETCONNECT are trademarks.  
Specifications are subject to change without notice.