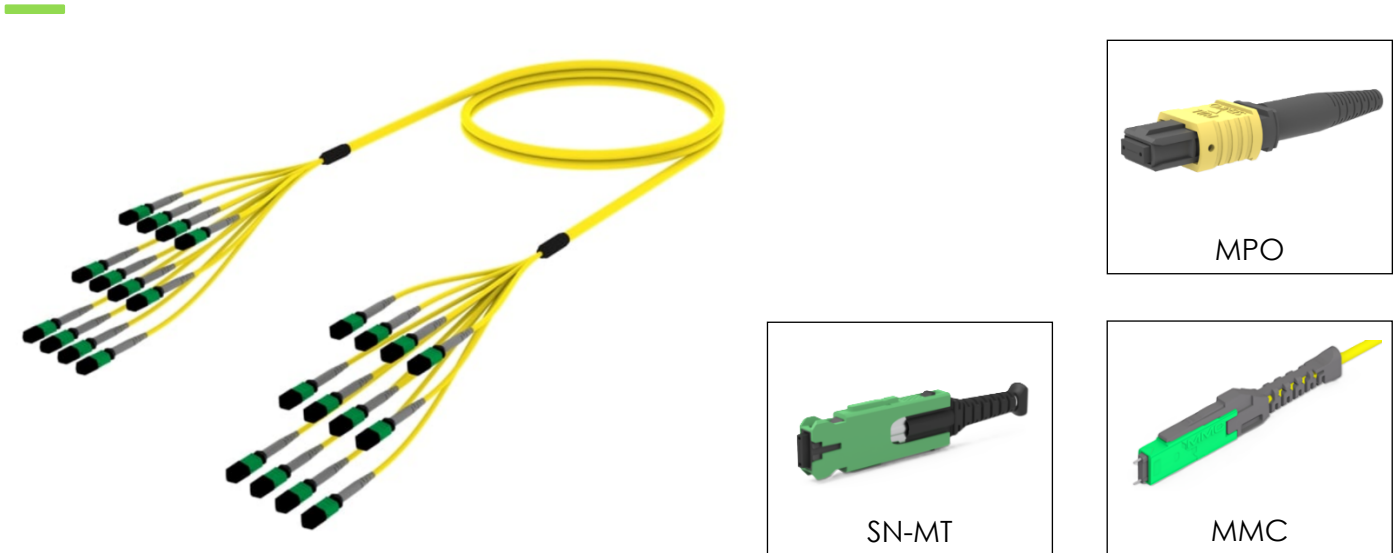


High-density Trunk Cable

Part Number: LHTCXX – XXXX – XMXXXXX – (XX)



Product Description

The trunk cable is a type of fiber optic cable used to connect multiple devices or network segments in a structured cabling system.

These cables use multi-core connectors, which support multiple fibers in a single connector. It is designed to carry large amounts of data over long distances, making it ideal for high-capacity backbone networks, data centers, and telecommunications infrastructure.

Feature

- Conform to IEC, EIA-TIA, and Telcordia performance requirements
- High Fiber Count up to 864 fibers
- Available for MMC, SN-MT or MPO connector on each side
- Available for Single mode or Multi-mode fiber
- Available in custom length
- All Assemblies are factory tested
- Factory pre-terminated assemblies with protocol for constant and reliable quality

Specifications

Item		Value	
Connector type	Side A	Available in MMC, SN-MT or MPO	
	Side B	Available in MMC, SN-MT or MPO	
Fanout length		Increase from 600mm, step fanout	
Insertion loss (According to IEC 61300-3-4 method B)		SM	MM
– Standard Ferrule	MPO, MMC, SN-MT	0.50 dB	0.50 dB
– Low loss Ferrule	MPO, MMC, SN-MT	0.35 dB	0.35 dB
– Ultra Low loss Ferrule	MPO, MMC	0.25 dB	0.25 dB
Return loss (According to IEC 61300-3-6)		≥ 60 dB (APC)	≥ 25 dB
Product Tolerance(mm)		0<L≤ 5: ±50 5<L≤ 50: ±1%*L L>20:±1000	

Cable Characteristics

Item		Value				
Fiber count		144F	192F	288F	576F	864F
Cable diameter(mm)		Max.10.5±0.5	Max.12.6±0.8	Max.12.6±1.0	Max.19.6±1.0	Max.21.5±1.0
Strength member		Aramid yarns				
Outer sheath		LSZH or PVC				
Minimum bending radius	Static	10×Cable diameter				
	Dynamic	20×Cable diameter				
Tensile performance According to IEC 60794-1-21E1	Short-term	1000N	1000N	1320N	1320N	1320N
	Long-term	300N	300N	400N	400N	400N
Crush resistance According to IEC 60794-1-21E3	Short-term	1000N/10cm	1000N/10cm	1000N/10cm	1000N/10cm	1000N/10cm
	Long-term	300N/10cm	300N/10cm	300N/10cm	300N/10cm	300N/10cm

Environmental Temperature

Item		Value	
Operation temperature range		-20°C to +70 °C	0 °C to +70 °C
Storage temperature range		-40°C to +70°C	-40 °C to +70 °C
Flammability		IEC60332-1, IEC60332-3 or OFNR	OFNP
RoHS 2015/863/EU		Compliant	

Ordering information

LHTC X X - X X X X - X M X XXXX - (X X)

1 2 3 4 5 6 7 8 9 A B C

1 Fiber Count 3: 144F 4: 192F 5: 288F 6: 576F 7: 864F	2 Fiber Type D: G652D A: G657A2 3: OM3 4: OM4 5: OM5	3 Connector Type (Side A) 1:MPO/12 male,Base-8 2:MPO/12 male,Base-12 5: MPO/16 male 7: MPO/24 male B: MMC/16 male D: MMC/24 male H: SN-MT/16 male K: SN-MT/24 male	4 Connector Type (Side B) 0: Null (pigtail) 1:MPO/12 male,Base-8 2:MPO/12 male,Base-12 5: MPO/16 male 7: MPO/24 male B: MMC/16 male D: MMC/24 male H: SN-MT/16 male K: SN-MT/24 male
5 Polish Type 1: APC-APC 2: UPC-UPC 3: APC-UPC	6 Polarity A: TIA568 Type A B: TIA568 Type B C: TIA568 Type C	7 Cable Jacket B: CPR B2CA C: CPR Cca H: LSZH R: OFNR P: OFNP	8 Cable structure M: Micro cable
9 Unit M: Meter F: Feet	A Cable Length 0005: 0.5 0050: 5 0100: 10 1000: 100	B Performance 0: Standard Loss 1: Low Loss 2: Ultra Low Loss	C Special code 0: No special request

- Notes:
- 1. Only MPO has base-8, base-12 option.
 - 2. When the last two codes (x x) are defined as 00, these codes will be ignored.

Draft	Check	Approve	Date	Rev.	ECN	Name	Date
Rafael	Leo	Laddie	2025.3.14	01			