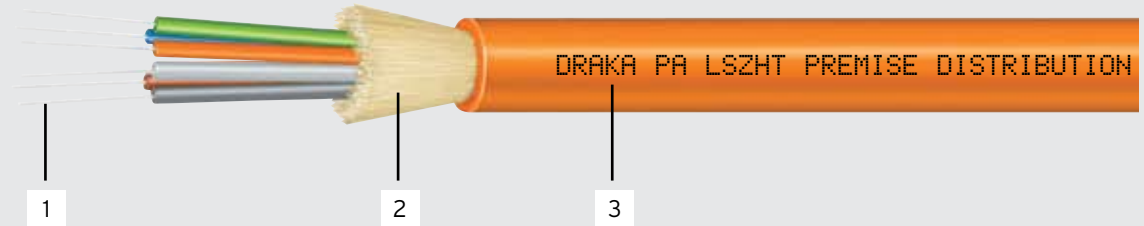




Draka

LSZHT Premise Distribution Cable

tight buffer construction / 2 to 144 fibers / singlemode or multimode / OFNR OFN FT4



Application

These are multiple fiber distribution cables designed for high-speed interbuilding and intrabuilding communication systems. Low-smoke zero-halogen (LSZH) construction allows their use in tunnels and wherever there are low smoke and low toxicity requirements. Tight buffered fibers in a distribution construction allow for easy separation and routing of fiber bundles.

All LSZHT cables are Gigabit Ethernet IEEE 802.3z compliant. MaxCap multimode fiber for 10 Gb networks is available.

Features

1. FIBER
Multimode or singlemode fibers with an easily-strippable 900µm tight buffering colored per TIA/EIA 598.
2. SUBUNIT STRENGTH MEMBER
Aramid yarn.
3. FINAL JACKET
Low smoke zero halogen polyolefin.

Ratings

OFNR/OFN, CSA FT4



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Part Number	Installation Pull Strength Lbs (Newtons)	Installation Bend Radius in (cm)	Operating Tension Lbs (Newtons)	Operating Bend Radius in (cm)	Vertical Rise feet (meters)	Cable O.D. in (mm)	Approx. Cable Weight Lbs/Mft (Kg/Km)
LSZHT-02R-XXY	180 (800)	3.7 (9.5)	56 (250)	1.9 (4.7)	2987 (910)	0.187 (4.75)	15 (22)
LSZHT-04-XXY	225 (1000)	4.4 (11.2)	91 (400)	2.2 (5.6)	3467 (1057)	0.220 (5.59)	21 (31)
LSZHT-06-XXY	225 (1000)	4.7 (11.9)	91 (400)	2.4 (6.0)	3309 (1009)	0.235 (5.97)	22 (33)
LSZHT-08-XXY	315 (1400)	4.9 (12.4)	104 (463)	2.5 (6.2)	3467 (1057)	0.245 (6.22)	24 (36)
LSZHT-12-XXY	405 (1800)	5.3 (13.5)	135 (600)	2.7 (6.7)	3484 (1062)	0.265 (6.73)	31 (46)
LSZHT4-16-XXY	600 (2700)	9.6 (24.6)	250 (1110)	4.8 (12.3)	2255 (687)	0.482 (12.29)	89 (132)
LSZHT6-24-XXY	600 (2700)	10.4 (26.2)	250 (1110)	5.2 (13.1)	2053 (626)	0.516 (13.11)	97 (145)
LSZHT6-30-XXY	788 (3500)	11.4 (28.8)	383 (1700)	5.7 (14.4)	2519 (768)	0.566 (14.38)	122 (181)
LSZHT6-36-XXY	900 (4000)	12.4 (31.6)	450 (2000)	6.2 (15.8)	2435 (742)	0.622 (15.82)	148 (220)
LSZHT12-48-XXY	1125 (5000)	12.6 (32.0)	563 (2500)	6.3 (16.0)	3455 (1053)	0.630 (16.00)	130 (194)
LSZHT12-60-XXY	1238 (5500)	14.0 (35.6)	675 (3000)	7.0 (17.8)	3348 (1021)	0.701 (17.81)	161 (240)
LSZHT12-72-XXY	1238 (5500)	15.4 (39.0)	675 (3000)	7.7 (19.5)	2724 (830)	0.769 (19.53)	198 (295)
LSZHT12-84-XXY	1575 (7000)	16.8 (42.6)	788 (3500)	8.4 (21.3)	2584 (788)	0.839 (21.31)	244 (363)
LSZHT12-96-XXY	1980 (8800)	18.2 (46.2)	900 (4000)	9.1 (23.1)	2403 (763)	0.908 (23.06)	288 (428)
LSZHT12-108-XXY	1980 (8800)	20.3 (51.6)	900 (4000)	10.1 (25.8)	2365 (721)	1.016 (25.81)	304 (453)
LSZHT12-120-XXY	2250 (10000)	20.3 (51.6)	900 (4000)	10.1 (25.8)	2365 (721)	1.016 (25.81)	304 (453)
LSZHT12-132-XXY	2250 (10000)	20.3 (51.6)	900 (4000)	10.1 (25.8)	2365 (721)	1.016 (25.81)	304 (453)
LSZHT12-144-XXY	2250 (10000)	20.3 (51.6)	900 (4000)	10.1 (25.8)	2365 (721)	1.016 (25.81)	304 (453)

Higher fiber counts are available; rating to 144 fibers.

The data herein is approximate and subject to normal manufacturing tolerances.

Information is subject to change without notice. Consult factory for a variety of alternate constructions for specific applications.

Fiber Performance

Replace XXY in the above part number with your fiber requirements:

Multimode Designation	Min. Bandwidth 850nm/1300nm	Max. Attenuation 850nm/1300nm
50GBE	1500/500	3.50/1.50
50H	500/500	3.50/1.50
50E1 (HiCap)	500/500	3.50/1.00
62X	200/500	3.50/1.00
62E1	300/600	3.50/1.00*

* Mode conditioning patch cords not required

Single Mode Designation	Max. Attenuation 1310nm/1550nm
010X	0.70/0.70
010A3	0.50/0.50

Environmental Specifications

Description	FOTP	Requirements
Operating Temp	EIA-455-3	-20°C to 80°C
Storage Temp	EIA-455-3	-40°C to 80°C
Installation Temp	---	-20°C to 80°C

Mechanical Specifications

Description	FOTP	Requirements
Crush Resistance	EIA-455-41	1500 N/cm (857 lbs/in)
Impact Resistance	EIA-455-25	50 impacts with 4.4 N-m
Cyclic Flexing Test	EIA-455-104	2000 cycles

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