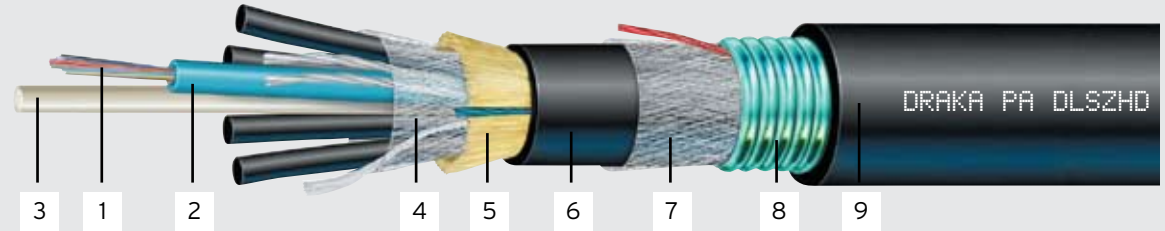




Draka

DLSZHD Armored Burial Cable

tray rated / loose tube construction / 2 to 144 fibers / singlemode or multimode / OFC-LS



Application

These are multiple fiber loose tube cables designed for high-speed interbuilding and intrabuilding communication systems such as process control, SCADA, transit, subway tunnels, airports, etc. as they emit very low concentrations of dangerous fumes when burned. Loose tube design offers optimum fiber performance.

Steel armor and a second jacket provide optimum protection for direct burial applications requiring resistance to rodent attack.

Standard DLSZHD cables have thermoplastic LSZH jackets. For transit applications (where the cable may be attacked by chemical/petroleum immersion, abrasion, heat/sparks generated by the third rail) or may undergo repeated flexing, a tough thermoset jacket is offered.

Fully flooded and higher fiber count cables are available. These 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 acrylate coating for mechanical protection colored per TIA/EIA 598.

2. BUFFER TUBES

Polymeric insulation filled with a moisture-resistant material to prevent water penetration. Fillers (when needed) are dielectric material.

3. CENTRAL STRENGTH MEMBER

Dielectric material (epoxy/fiberglass rod).

4. DRY BLOCK TAPE

Swellable tape wrapped around the cable core to prevent water penetration.

5. STRENGTH MEMBER

Aramid yarn.

6. INNER JACKET

Black thermoplastic low smoke zero halogen polyolefin.

7. DRY BLOCK TAPE

Swellable tape wrapped around the cable core to prevent water penetration.

8. ARMOR

Corrugated steel tape formed over the inner jacket and bonded to the outer jacket.

9. OUTER JACKET

Black thermoplastic low smoke zero halogen polyolefin. An optional thermoset jacket is available for more demanding applications.

Ratings

OFC-LS



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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)
DLSZHD2-02R-XXY	600 (2700)	13.0 (33.0)	200 (890)	9.8 (24.8)	812 (248)	0.650 (16.51)	197 (293)
DLSZHD4-04-XXY	600 (2700)	13.0 (33.0)	200 (890)	9.8 (24.8)	812 (248)	0.650 (16.51)	197 (293)
DLSZHD6-06-XXY	600 (2700)	13.0 (33.0)	200 (890)	9.8 (24.8)	812 (248)	0.650 (16.51)	197 (293)
DLSZHD4-08-XXY	600 (2700)	13.0 (33.0)	200 (890)	9.8 (24.8)	812 (248)	0.650 (16.51)	197 (293)
DLSZHD6-12-XXY	600 (2700)	13.0 (33.0)	200 (890)	9.8 (24.8)	812 (248)	0.650 (16.51)	197 (293)
DLSZHD4-16-XXY	600 (2700)	13.0 (33.0)	200 (890)	9.8 (24.8)	812 (248)	0.650 (16.51)	197 (293)
DLSZHD6-24-XXY	600 (2700)	13.0 (33.0)	200 (890)	9.8 (24.8)	812 (248)	0.650 (16.51)	197 (293)
DLSZHD6-30-XXY	600 (2700)	13.0 (33.0)	200 (890)	9.8 (24.8)	812 (248)	0.650 (16.51)	197 (293)
DLSZHD6-36-XXY	600 (2700)	13.8 (35.1)	200 (890)	10.4 (26.3)	769 (234)	0.690 (17.53)	208 (310)
DLSZHD12-48-XXY	600 (2700)	13.8 (35.1)	200 (890)	10.4 (26.3)	721 (220)	0.690 (17.53)	222 (330)
DLSZHD12-60-XXY	600 (2700)	13.8 (35.1)	200 (890)	10.4 (26.3)	721 (220)	0.690 (17.53)	222 (330)
DLSZHD12-72-XXY	600 (2700)	14.6 (37.0)	200 (890)	11.0 (27.8)	656 (200)	0.730 (18.54)	244 (363)
DLSZHD12-84-XXY	600 (2700)	15.4 (39.1)	200 (890)	11.6 (29.3)	597 (182)	0.770 (19.56)	268 (399)
DLSZHD12-96-XXY	600 (2700)	16.2 (41.1)	200 (890)	12.2 (30.9)	544 (166)	0.810 (20.57)	294 (437)
DLSZHD12-108-XXY	600 (2700)	17.4 (44.2)	200 (890)	13.1 (33.1)	498 (152)	0.870 (22.10)	321 (478)
DLSZHD12-120-XXY	600 (2700)	18.6 (47.2)	200 (890)	14.0 (35.4)	448 (137)	0.930 (23.62)	357 (531)
DLSZHD12-132-XXY	600 (2700)	18.6 (47.2)	200 (890)	14.0 (35.4)	409 (125)	0.930 (23.62)	391 (582)
DLSZHD12-144-XXY	600 (2700)	19.8 (50.3)	200 (890)	14.8 (37.7)	363 (111)	0.990 (25.15)	441 (656)

Flooded core is available. Higher fiber counts are available.

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	0.40/0.30
010A3	0.35/0.25

Environmental Specifications

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

Mechanical Specifications

Description	FOTP	Requirements
Crush Resistance	EIA-455-41	1225 N/cm (700 lbs/in)
Impact Resistance	EIA-455-25	25 impacts with 5.0 N-m

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