



# Draka

## DSS750L Short Span Self-Supporting Cable

all dielectric / loose tube construction / 2 to 288 fibers  
singlemode or multimode



### Application

These are multiple fiber loose tube cables designed for high-speed interbuilding communication systems including long haul networking, interbuilding trunking and local loop applications, self supporting up to 1400 ft/427 m (depending on fiber count and loading conditions). A double jacket of tough track-resistant high-density polyethylene (HDPE) over polyethylene (PE) is resistant to sunlight and environmental forces. Loose tube design offers optimum fiber performance. These cables comply with IEEE P1222.

Fully flooded cables are available.

All DSS750L 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. Exclusive ColorLock® fiber coating (singlemode) for permanent embedded color & long-term performance.

#### 2. CENTRAL STRENGTH MEMBER

Dielectric material (epoxy/fiberglass rod).



#### 3. BUFFER TUBES

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

#### 4. DRY BLOCK TAPE

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

#### 5. INNER JACKET

Black polyethylene (PE).

#### 6. OUTER STRENGTH MEMBER

Multiple layers of high-strength aramid yarn.

#### 7. OUTER JACKET

Black track-resistant high-density polyethylene (HDPE).

### Ratings

For sag and tension information, refer to the page at back of this section: DSS750L SHORT SPAN SELF-SUPPORTING CABLE CUST REF FO-100

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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)	Maximum Recommended Span* feet (meters)	Cable O.D. in (mm)	Approx. Cable Weight Lbs/Mft (Kg/Km)
DSS750L2-02R-XXY	9000 (40071)	11.4 (29.1)	3000 (13357)	5.7 (14.6)	1400 (427)	0.572 (14.53)	98 (146)
DSS750L4-04-XXY	9000 (40071)	11.4 (29.1)	3000 (13357)	5.7 (14.6)	1400 (427)	0.572 (14.53)	98 (146)
DSS750L6-06-XXY	9000 (40071)	11.4 (29.1)	3000 (13357)	5.7 (14.6)	1400 (427)	0.572 (14.53)	98 (146)
DSS750L4-08-XXY	9000 (40071)	11.4 (29.1)	3000 (13357)	5.7 (14.6)	1400 (427)	0.572 (14.53)	98 (146)
DSS750L6-12-XXY	9000 (40071)	11.4 (29.1)	3000 (13357)	5.7 (14.6)	1400 (427)	0.572 (14.53)	98 (146)
DSS750L4-16-XXY	9000 (40071)	11.4 (29.1)	3000 (13357)	5.7 (14.6)	1400 (427)	0.572 (14.53)	98 (146)
DSS750L6-24-XXY	9000 (40071)	11.4 (29.1)	3000 (13357)	5.7 (14.6)	1400 (427)	0.572 (14.53)	98 (146)
DSS750L6-30-XXY	9000 (40071)	11.4 (29.1)	3000 (13357)	5.7 (14.6)	1400 (427)	0.572 (14.53)	98 (146)
DSS750L6-36-XXY	9000 (40071)	12.0 (30.5)	3000 (13357)	6.0 (15.2)	1300 (396)	0.601 (15.27)	110 (164)
DSS750L12-48-XXY	9000 (40071)	12.5 (31.7)	3000 (13357)	6.2 (15.8)	1300 (396)	0.624 (15.85)	116 (173)
DSS750L12-60-XXY	9000 (40071)	12.5 (31.7)	3000 (13357)	6.2 (15.8)	1300 (396)	0.624 (15.85)	116 (173)
DSS750L12-72-XXY	9000 (40071)	13.2 (33.6)	3000 (13357)	6.6 (16.8)	1200 (366)	0.661 (16.79)	129 (192)
DSS750L12-84-XXY	9000 (40071)	14.4 (36.5)	3000 (13357)	7.2 (18.2)	1100 (335)	0.718 (18.24)	152 (226)
DSS750L12-96-XXY	9000 (40071)	15.5 (39.3)	3000 (13357)	7.7 (19.7)	1000 (305)	0.774 (19.66)	178 (265)
DSS750L12-108-XXY	9000 (40071)	16.2 (41.2)	3000 (13357)	8.1 (20.6)	900 (274)	0.811 (20.60)	196 (292)
DSS750L12-120-XXY	9000 (40071)	17.4 (44.2)	3000 (13357)	8.7 (22.1)	800 (244)	0.870 (22.10)	226 (336)
DSS750L12-132-XXY	9000 (40071)	18.1 (46.1)	3000 (13357)	9.1 (23.0)	800 (244)	0.907 (23.04)	239 (356)
DSS750L12-144-XXY	9000 (40071)	18.5 (46.9)	3000 (13357)	9.2 (23.4)	700 (213)	0.923 (23.44)	273 (406)
DSS750L12-216-XXY	9000 (40071)	20.7 (52.6)	3000 (13357)	10.4 (26.3)	600 (183)	1.035 (26.29)	303 (451)
DSS750L12-288-XXY	9000 (40071)	20.7 (52.6)	3000 (13357)	10.4 (26.3)	600 (183)	1.035 (26.29)	303 (451)

\*Maximum span recommendations are per NESC light loading conditions. Long span and microspan versions available. Flooded core is available.

Information is subject to change without notice. Contact your Draka representative for information about designs with alternative span requirements or cable diameters.

## 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 70°C
Storage Temp	EIA-455-3	-50°C to 70°C
Installation Temp	---	-30°C to 70°C

## Mechanical Specifications

Description	FOTP	Requirements
Crush Resistance	EIA-455-41	1000 N/cm (575 lbs/in)
Impact Resistance	EIA-455-25	25 impacts with 5.0 N-m
Cyclic Flexing Test	EIA-455-104	2000 Cycles

## Draka Engineered Specialties

22 Joseph E. Warner Blvd. | North Dighton, MA 02764 | Tel +1-508-822-5444

761 Joseph E. Warner Blvd. | Taunton, MA 02780 | Tel +1-508-822-5444

One Tamaqua Blvd. | Schuylkill Haven, PA 17972 | Tel +1-570-385-4381

For sales and technical information, contact:

Draka Engineered Specialties| 1-800-233-3190 | 1-570-385-4381 | 1-570-385-1092 fax | www.drakausa.com