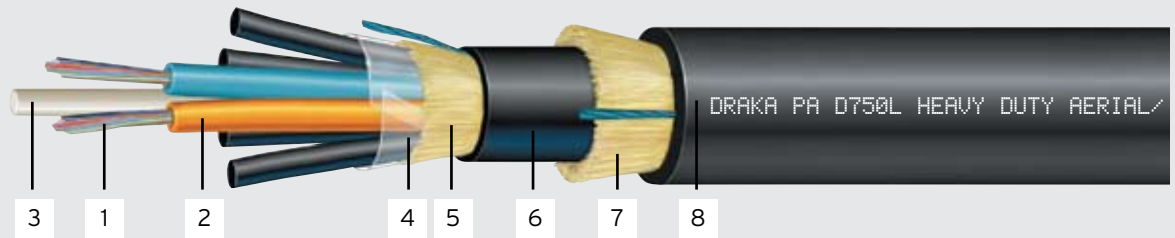




# Draka

## D750L Heavy Duty Aerial/Duct/Burial Cable

loose tube construction / 2 to 216 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, either above or below ground in conduit or lashed aerially. A double jacket of tough polyethylene (PE) is resistant to sunlight and environmental forces. Loose tube design offers optimum fiber performance.

These cables comply with RUS PE-90 requirements. Fully flooded and higher fiber count cables are available. All D750L 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 polyethylene (PE).

#### 7. OUTER STRENGTH MEMBER

Aramid yarn.

#### 8. OUTER JACKET

Black polyethylene (PE).



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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)
D750L2-02R-XXY	1000 (4452)	10.8 (27.5)	200 (890)	5.4 (13.7)	1778 (542)	0.541 (13.74)	90 (134)
D750L4-04-XXY	1000 (4452)	10.8 (27.5)	200 (890)	5.4 (13.7)	1778 (542)	0.541 (13.74)	90 (134)
D750L6-06-XXY	1000 (4452)	10.8 (27.5)	200 (890)	5.4 (13.7)	1778 (542)	0.541 (13.74)	90 (134)
D750L4-08-XXY	1000 (4452)	10.8 (27.5)	200 (890)	5.4 (13.7)	1778 (542)	0.541 (13.74)	90 (134)
D750L6-12-XXY	1000 (4452)	10.8 (27.5)	200 (890)	5.4 (13.7)	1778 (542)	0.541 (13.74)	90 (134)
D750L4-16-XXY	1000 (4452)	10.8 (27.5)	200 (890)	5.4 (13.7)	1778 (542)	0.541 (13.74)	90 (134)
D750L6-24-XXY	1000 (4452)	10.8 (27.5)	200 (890)	5.4 (13.7)	1778 (542)	0.541 (13.74)	90 (134)
D750L6-30-XXY	1000 (4452)	10.8 (27.5)	200 (890)	5.4 (13.7)	1778 (542)	0.541 (13.74)	90 (134)
D750L6-36-XXY	1000 (4452)	11.4 (29.0)	200 (890)	5.7 (14.6)	1553 (473)	0.571 (14.50)	103 (153)
D750L12-48-XXY	1000 (4452)	11.8 (29.8)	200 (890)	5.9 (14.9)	1455 (443)	0.587 (14.91)	110 (164)
D750L12-60-XXY	1000 (4452)	11.8 (29.8)	200 (890)	5.9 (14.9)	1455 (443)	0.587 (14.91)	110 (164)
D750L12-72-XXY	1000 (4452)	12.6 (32.2)	200 (890)	6.3 (16.1)	1250 (381)	0.633 (16.08)	128 (190)
D750L12-84-XXY	1000 (4452)	13.4 (33.8)	200 (890)	6.7 (16.9)	1119 (341)	0.666 (16.92)	143 (213)
D750L12-96-XXY	1000 (4452)	14.0 (35.6)	200 (890)	7.0 (17.8)	1006 (307)	0.701 (17.81)	159 (237)
D750L12-108-XXY	1000 (4452)	15.2 (38.4)	200 (890)	7.6 (19.2)	833 (254)	0.756 (19.20)	192 (286)
D750L12-120-XXY	1000 (4452)	15.8 (40.2)	200 (890)	7.9 (20.1)	758 (231)	0.791 (20.09)	211 (314)
D750L12-132-XXY	1000 (4452)	17.0 (43.0)	200 (890)	8.5 (21.5)	661 (202)	0.846 (21.49)	242 (360)
D750L12-144-XXY	1000 (4452)	18.2 (46.1)	200 (890)	9.1 (23.0)	586 (179)	0.907 (23.04)	273 (406)
D750L12-156-XXY	1000 (4452)	19.0 (48.2)	200 (890)	9.5 (24.1)	521 (159)	0.949 (24.10)	307 (457)
D750L12-192-XXY	1000 (4452)	19.0 (48.2)	200 (890)	9.5 (24.1)	521 (159)	0.949 (24.10)	307 (457)
D750L12-216-XXY	1000 (4452)	19.0 (48.2)	200 (890)	9.5 (24.1)	521 (159)	0.949 (24.10)	307 (457)

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 70°C
Storage Temp	EIA-455-3	-40°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

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