



Features

- Compact, lightweight cable design with the highest strength-to-weight ratio
- Flexible, rugged, high-strength construction for long cable pulls
- May be directly terminated with connectors with physical protection at termination points
- Lower total installed costs
- Helically stranded cable core for flexibility, survival in difficult pulls, and mechanical protection for the optical fibers
- High performance tight-buffered coating on each optical fiber for environmental and mechanical protection

Overview

- Multiple tight-buffered fibers stranded within a single jacket with common strength members
- Ideal configuration for a single cable termination point requiring multiple fibers
- Flame retardant - MSHA approved to Part 7, Subpart K of Title 30 Code of Federal Regulations (CFR)

Characteristics

	Distribution Mining Cables
Operating Temperature	-40°C to +85°C
Storage Temperature	-55°C to +85°C
Installation Temperature (cable temp.)	-10°C to +60°C
Flame Retardancy	Part 7, Subpart K of Title 30 Code of Federal Regulations (CFR)
Crush Resistance	1,800 N/cm
Impact Resistance	1,500 impacts
Flex Resistance	2,000 cycles

Available from:

CablesPlus
U ★ S ★ A

Cables Plus, LLC
8504 Glazebrook Ave Richmond, VA 23228 ~ Toll Free (866) 678-5852

www.CablesPlusUSA.com

Standards

- GR-409-CORE
- ICEA-S-104-696
- ICEA-S-83-596
- TIA-568
- TIA-598

Specifications

Fiber Count	Part Number	Diameter mm (in)	Weight kg/km (lbs/1,000)	Tensile Load		Minimum Bend Radius	
				Installation N (lbs)	Operational N (lbs)	Installation cm (in)	Long Term cm (in)
2*	DX002D***9*S	4.8 (0.19)	22.0 (14.0)	660 (150)	180 (40)	7.3 (2.9)	4.9 (1.9)
4	DX004D***9*S	5.1 (0.20)	24.0 (16.0)	1400 (310)	450 (100)	7.7 (3.0)	5.1 (2.0)
6	DX006D***9*S	5.7 (0.22)	32.0 (22.0)	1400 (310)	450 (100)	8.6 (3.4)	5.8 (2.3)
8	DX008D***9*S	5.9 (0.23)	34.0 (23.0)	1600 (360)	525 (120)	8.9 (3.5)	5.9 (2.3)
10	DX010D***9*S	7.0 (0.28)	43.0 (29.0)	1800 (400)	600 (135)	10.6 (4.2)	7.1 (2.8)
12***	DX012DA***9*S	7.3 (0.29)	43.0 (32.0)	2700 (600)	600 (135)	10.8 (4.3)	7.3 (2.9)
12**	DX012D***9*S	6.5 (0.26)	38.0 (25.0)	2700 (600)	600 (135)	9.8 (3.9)	6.5 (2.6)
18	MX018D***9*S	7.2 (0.28)	48.0 (32.0)	2700 (600)	700 (160)	10.8 (4.3)	7.2 (2.8)
24	DX024D***9*S	8.9 (0.35)	67.0 (45.0)	3000 (670)	1000 (220)	13.4 (5.3)	8.9 (3.5)
30	DX030D***9*S	8.8 (0.35)	75.0 (50.0)	3000 (670)	1000 (220)	13.3 (5.2)	8.8 (3.5)
36	DX036D***9*S	9.1 (0.36)	73.0 (49.0)	3000 (670)	1000 (220)	13.7 (5.4)	9.1 (3.6)
48	DX048D***9*S	10.1 (0.40)	93.0 (63.0)	4200 (940)	1400 (310)	15.2 (6.0)	10.1 (4.0)

* -40°C to +70°C

** 62.5 µm multimode and single-mode fiber. Specifications vary by fiber type.

*** 50 µm multimode fiber

Installation loads in excess of 2,700 N (600 lbs) are not recommended.

Other fiber counts available upon request.