

# Fiber Optic Indoor/Outdoor Distribution

Plenum Rated



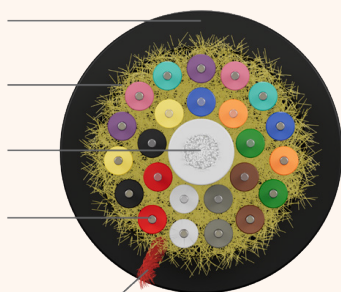
Sunlight Resistant PVC Jacket

Water-Blocking Dielectric  
Aramid Strength Members

Central Strength Member

Optical Fiber

Rip Cord



## Description/Application

- Designed for rugged indoor/outdoor installations requiring durability and long-term performance
- Water-blocking technology protects against moisture
- Tight buffered 900 micron optical fibers support both fusion and mechanical connectors
- Aramid strength members for tensile strength and flexibility
- Suitable for conduit, duct, tray pathways, and inter/intra-building backbones
- Plenum (OFNP) rating allows installation in plenum and riser spaces

## Specification

- ISO/IEC 11801
- ANSI/ICEA S-83-596 and S-104-696-2001
- ANSI/TIA-568.3-D

## Certifications Performance Characteristics

- Operating Temp: -40°C to +70°C
- Storage/Shipping Temp: -40°C to +70°C
- Installation Temp: 0°C to +60°C



PACKAGING		
Packaging Type	Code (Replace "yy")	Fiber Count Range
Cut to Length (Plywood Reel)	99	All
1,000 ft BrakeBox	BB	2 - 12
1,500 ft BrakeBox	BD	2 - 8

FIBER COUNT	LSC PART NUMBER	NOMINAL OD		NOMINAL WEIGHT		MAXIMUM TENSILE LOAD				MINIMUM BEND RADIUS			
						Short Term		Long Term		Loaded		Installed	
		[mm]	[inch]	[kg/km]	[lb/kft]	[N]	[lb]	[N]	[lb]	[cm]	[inch]	[cm]	[inch]
6	DExxP06BK	5.7	0.224	32	22	660	148	198	45	12	4.7	6	2.4
12	DExxP12BK	6.7	0.264	44	29	660	148	198	45	14	5.5	7	2.8
24	DExxP24BK	8.5	0.336	68	46	1320	297	396	89	18	7.1	9	3.5

## Part Numbers

COLOR OF FIBERS			
01 - Blue	02 - Orange	03 - Green	04 - Brown
05 - Grey	06 - White	07 - Red	08 - Black
09 - Yellow	10 - Violet	11 - Pink	12 - Aqua
13 - Blue/Black dash	14 - Orange/Black dash	15 - Green/Black dash	16 - Brown/Black dash
17 - Grey/Black dash	18 - White/Black dash	19 - Red/Black dash	20 - Black/White dash
21 - Yellow/Black dash	22 - Violet/Black dash	23 - Pink/Black dash	24 - Aqua/Black dash

FIBER TYPES	SINGLE MODE	MULTIMODE		
	OS2	OM3	OM4	OM5
	Single Mode BendResistant	Laser Optimized Multimode	Laser Optimized Multimode	Wideband Multimode
Replace "xx" with:	13	30	30	32
Typical Attenuation (dB/km)	0.32/0.18 (1310nm/1550nm)	2.1/0.49 (850nm/1300nm)		
Max Attenuation (dB/km)	0.5/0.5 (1310nm/1550nm)	3.0/1.5 (850nm/1300nm)		
Indoor/Outdoor Jacket Color	Black	Black		