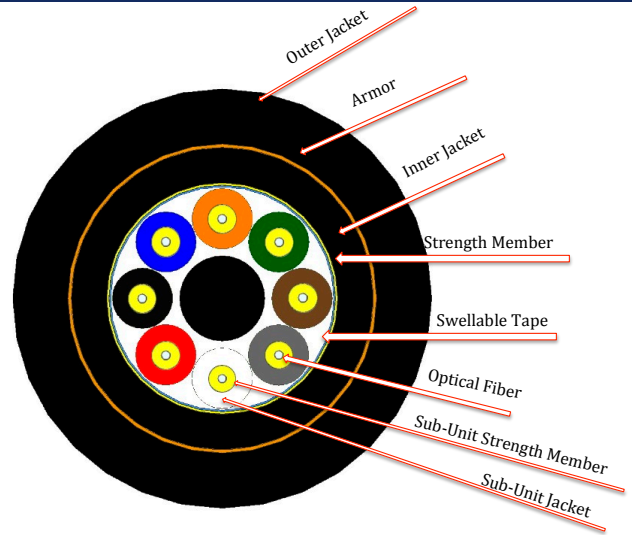


General Attributes

- Eight Fibers
- Non-buffered bronze armor
- Double Jacketed



Specifications	
Optical Fiber Structure	
Fiber Type	HR Fiber
Core Diameter	200 μ m \pm 4 μ m
Cladding Diameter	230 μ m +0/-10 μ m
Cladding Material	HCS
Coating Diameter	500 μ m \pm 30 μ m
Coating Material	Tefzel (ETFE)
Core/Clad Offset	\leq 5.0 μ m
Subunit Strength Member	Aramid Yarn (Kevlar)
Subunit Jacket Material	Flame Retardant, LSZH Polyolefin
Subunit Jacket Diameter	2.2mm (0.087")
Subunit Colors	Black, Blue, Orange, Green, Brown, Grey, White, Red
Cable Structure	
Cable Structure	8 subunits, 1 Center Strength Member
Water Blocking	Water swellable yarn applied in cable interstices
Strength Member	Aramid Yarn (Kevlar)
Inner Jacket Material	LSZH Thermoplastic Flame Retardant Polyolefin
Inner Jacket Color	Black
Outer Jacket Material	LSZH Thermoplastic Flame Retardant Polyolefin
Outer Jacket Color	Black
Outer Jacket Diameter	14.0 mm (0.551")
Armor	28 AWG bronze armor (in accordance with IEC 92-350 & IEEE std 45-1998)
Optical Properties	
NA	0.37 \pm 0.02
Attenuation @850nm	\leq 12.0 dB/Km
Bandwidth @ 850nm	\geq 20 MHz-km

Berkshire Photonics, LLC

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Environmental Conditions	
Storage Temperature	-40°C to 80°C
Operating Temperature	-20°C to 80°C
Installation Temperature	-10°C to 60°C
Mechanical Properties	
Proof Test	150 KPSi
Maximum Installation Tension	600 N (135 lbs)
Maximum Operating Tension	200 N (45 lbs)
Minimum Bend Radius (Installation)	22.4 cm (8.8")
Minimum Bend Radius (Operating)	11.2 cm (4.4")
Crush (IEC 60794-1-E3)	3000N/10cm
Impact (IEC 60794-1-E4)	20 impacts, 5 J
Torsion (IEC 60794-1-E7)	+1 turn/2m, 100 cycles
Cable Bend (IEC 60794-1-E11)	< 0.1dB/+6 turns
Cable Weight	253 kg/km (170lbs/1000ft)

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