

TeraSPEED® Plenum Hybrid Distribution Cable, 4 simplex single fiber, 4 conductor 12 AWG

OBSOLETE

Product Classification

Regional Availability	North America
Portfolio	CommScope®
Product Type	Hybrid cable, copper and fiber
Product Brand	TeraSPEED®

General Specifications

Cable Type	Distribution Hybrid Stranded indoor
Conductor Type, singles	Stranded
Conductors, quantity	4
Construction Type	Non-armored
Fiber Short Description	P-001-SP29
Subunit Type	Gel-free
Filler, quantity	0
Jacket Color	Yellow
Subunit Jacket Color	Yellow
Subunit, quantity	4
Fibers per Subunit, quantity	1
Total Fiber Count	4

Dimensions

Buffer Tube/Subunit Diameter	0.11 in 2.794 mm
Diameter Over Jacket	0.48 in 12.192 mm

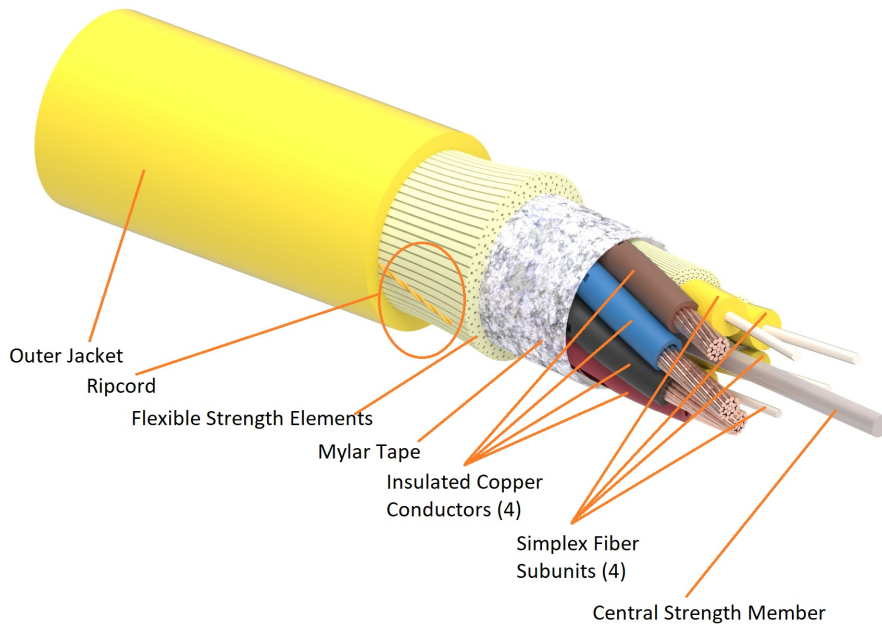
760250291 | P-004-DS-HY-8W-F29YL/4X12AWG

Conductor Gauge 12 AWG

Electrical Specifications

Conductor dc Resistance 1.65 ohms/kft | 5.413 ohms/km

Representative Image



Material Specifications

Conductor Material Bare copper | Stranded copper wire

Insulation Material, singles PVC

Jacket Material Fire retardant PVC

Ripcord Material Polyester

Mechanical Specifications

Minimum Bend Radius, loaded 7.87 in | 199.898 mm

Minimum Bend Radius, unloaded 7.87 in | 199.898 mm

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Tensile Load, long term, maximum	105 lbf 467.063 N
Tensile Load, short term, maximum	349 lbf 1,552.429 N
Compression	57 lb/in 1.018 kg/mm
Compression Test Method	FOTP-41
Flex	25 cycles
Flex Test Method	FOTP-104
Impact	2.17 ft lb 2.942 N-m
Impact Test Method	FOTP-25
Strain	See long and short term tensile loads
Strain Test Method	FOTP-33
Twist	10 cycles
Twist Test Method	FOTP-85
Vertical Rise, maximum	562.4 ft 171.42 m

Optical Specifications

Fiber Type	G.652.D and G.657.A1, TeraSPEED®
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Environmental Specifications

Installation temperature	-0 °C to +70 °C (-32 °F to +158 °F)
Operating Temperature	-20 °C to +70 °C (-4 °F to +158 °F)
Storage Temperature	-40 °C to +75 °C (-40 °F to +167 °F)
Cable Qualification Standards	ANSI/ICEA S-83-596 Telcordia GR-409 UL 13 UL 444
Environmental Space	Plenum Wireless installation
Flame Test Listing	NEC CL3P-OF (ETL) and c(ETL) NEC CMP-OF (ETL) and c(ETL)
Flame Test Method	NFPA 262

Environmental Test Specifications

Low High Bend	0 °C to +70 °C (+32 °F to +158 °F)
Low High Bend Test Method	FOTP-37
Temperature Cycle	0 °C to +70 °C (+32 °F to +158 °F)
Temperature Cycle Test Method	FOTP-3

Packaging and Weights

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Cable weight

186.7 lb/kft | 277.84 kg/km

Included Products

CS-8W-TB – TeraSPEED® Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable