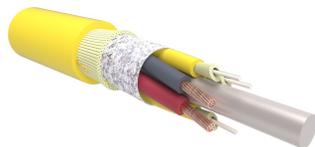


# 760250285 | P-004-DS-HY-8W-F29YL/2X12AWG

TeraSPEED® Plenum Hybrid Distribution Cable, 4 simplex single fiber, 2 conductor 12 AWG



## Product Classification

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

## General Specifications

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

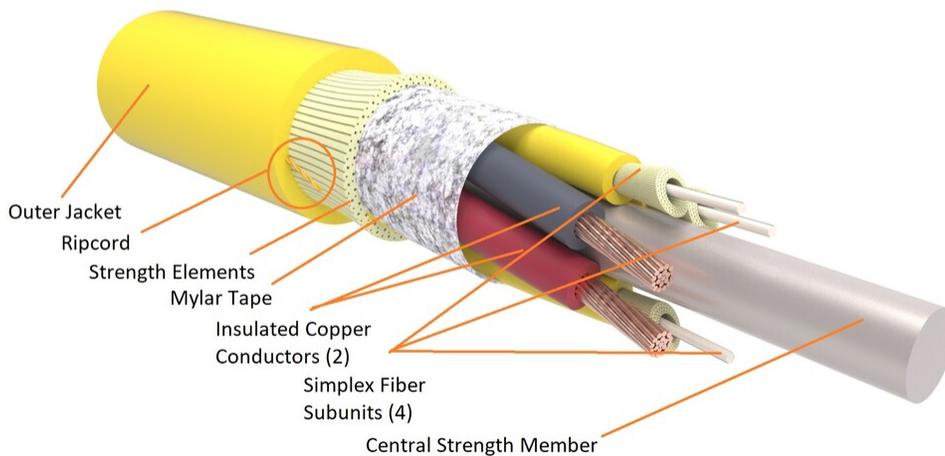
## Dimensions

<b>Buffer Tube/Subunit Diameter</b>	2.794 mm   0.11 in
<b>Diameter Over Jacket</b>	10.668 mm   0.42 in
<b>Jacket Thickness</b>	0.762 mm   0.03 in
<b>Conductor Gauge</b>	12 AWG

## Electrical Specifications

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

## 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** 159.004 mm | 6.26 in  
**Minimum Bend Radius, unloaded** 105.918 mm | 4.17 in  
**Tensile Load, long term, maximum** 275.79 N | 62 lbf

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<b>Tensile Load, short term, maximum</b>	911.885 N   205 lbf
<b>Compression</b>	1.018 kg/mm   57 lb/in
<b>Compression Test Method</b>	FOTP-41
<b>Flex</b>	25 cycles
<b>Flex Test Method</b>	FOTP-104
<b>Impact</b>	2.17 ft lb   2.942 N-m
<b>Impact Test Method</b>	FOTP-25
<b>Strain</b>	See long and short term tensile loads
<b>Strain Test Method</b>	FOTP-33
<b>Twist</b>	10 cycles
<b>Twist Test Method</b>	FOTP-85
<b>Vertical Rise, maximum</b>	169.774 m   557 ft

## Optical Specifications

<b>Fiber Type</b>	G.652.D and G.657.A1   G.652.D and G.657.A1 , TeraSPEED®
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## Environmental Specifications

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

## Environmental Test Specifications

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

## Packaging and Weights

<b>Cable weight</b>	164.293 kg/km   110.4 lb/kft
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## Included Products

CS-8W-TB – TeraSPEED® Singlemode Fiber

## \* Footnotes

**Operating Temperature** Specification applicable to non-terminated bulk fiber cable