

TeraSPEED® Single Jacket/Single Armor, Gel-Filled, Outdoor Central Tube Cable

- Corrugated steel tape armor is strong yet flexible, providing additional crush and rodent protection

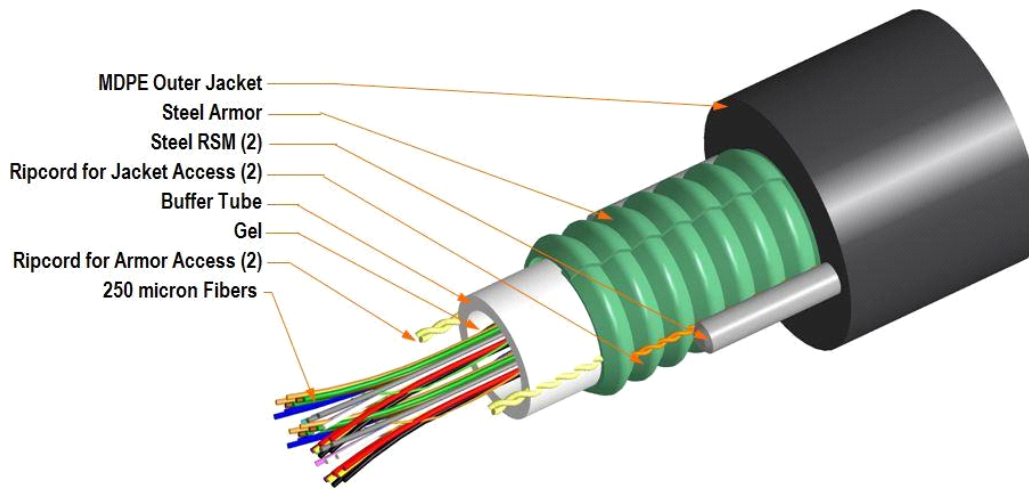
Product Classification

Portfolio	CommScope®
Product Type	Fiber OSP cable
Regional Availability	Asia Australia/New Zealand EMEA Latin America North America

Standards And Qualifications

Cable Qualification Standards	ANSI/ICEA S-87-640 EN 187105 Telcordia GR-20
--------------------------------------	--

Representative Image



General Specifications

Cable Type	Central loose tube
Construction Type	Armored
Subunit Type	Gel-filled

Construction Materials

Fiber Type Solution	Composite MM/SM G.652.D and G.657.A1 , TeraSPEED® OM3, LazrSPEED® 300 OS2
Jacket Material	PE
Total Fiber Count	24

Armor Type	Corrugated steel
Fiber Type	G.652.D and G.657.A1, TeraSPEED® OS2
Fiber Type, quantity	12
Fibers per Subunit, quantity	12
Jacket Color	Black
Jacket UV Resistance	UV stabilized
Second Fiber Type	OM3, LazrSPEED® 300
Second Fiber Type, quantity	12

Dimensions

Buffer Tube/Subunit Diameter	4.00 mm 0.16 in
Cable Weight	135.0 kg/km 91.0 lb/kft
Diameter Over Jacket	11.00 mm 0.43 in
Subunit, quantity	2

Physical Specifications

Minimum Bend Radius, loaded	16.5 cm 6.5 in
Minimum Bend Radius, unloaded	11.0 cm 4.3 in
Tensile Load, long term, maximum	180 lbf 800 N
Tensile Load, short term, maximum	2700 N 607 lbf
Vertical Rise, maximum	607.0 m 1991.5 ft

Environmental Specifications

Environmental Space	Aerial, lashed Buried
Installation Temperature	-30 °C to +70 °C (-22 °F to +158 °F)
Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Storage Temperature	-40 °C to +75 °C (-40 °F to +167 °F)

Mechanical Test Specifications

Compression	250 lb/in 44 N/mm
Compression Test Method	FOTP-41 IEC 60794-1 E3
Flex	35 cycles
Flex Test Method	FOTP-104 IEC 60794-1 E6
Impact	2.17 ft lb 2.94 N-m
Impact Test Method	FOTP-25 IEC 60794-1 E4
Strain	See long and short term tensile loads
Strain Test Method	FOTP-33 IEC 60794-1 E1
Twist	10 cycles
Twist Test Method	FOTP-85 IEC 60794-1 E7

Water Penetration 24 h
Water Penetration Test Method FOTP-82 | IEC 60794-1 F5

Environmental Test Specifications

Cable Freeze -2 °C | 28 °F
Cable Freeze Test Method FOTP-98 | IEC 60794-1 F15
Drip 70 °C | 158 °F
Drip Test Method FOTP-81 | IEC 60794-1 E14
Heat Age -40 °C to +85 °C (-40 °F to +185 °F)
Heat Age Test Method IEC 60794-1 F9
Low High Bend -30 °C to +60 °C (-22 °F to +140 °F)
Low High Bend Test Method FOTP-37 | IEC 60794-1 E11
Temperature Cycle -40 °C to +70 °C (-40 °F to +158 °F)
Temperature Cycle Test Method FOTP-3 | IEC 60794-1 F1

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system



Included Products

CS-8W-LT (Product Component—not orderable) — TeraSPEED® OS2 Singlemode Fiber

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable