

PowerShift Metro® Hybrid Cable with aluminum armor, 4X12AWG Power Conductors, 144-fiber

Product Classification

Regional Availability	Asia Australia/New Zealand EMEA Latin America North America
Portfolio	CommScope®
Product Type	Hybrid cable, copper and fiber
Product Brand	PowerShift Metro®

General Specifications

Application	Power and Fiber Distribution Cable
Cable Type	Wireless feeder
Conductors, quantity	4
Construction Type	Shielded
Fiber Short Description	RFF – 12AWG
Inner Shield (Tape) Material	Corrugated aluminum
Jacket Color	Black with red stripe – power indicator
Strength Members	Glass reinforced plastic rod
Subunit, quantity	12
Fibers per Subunit, quantity	12
Total Fiber Count	144
Water Blocking Method	Water blocking tape(s) Water blocking threads

Dimensions

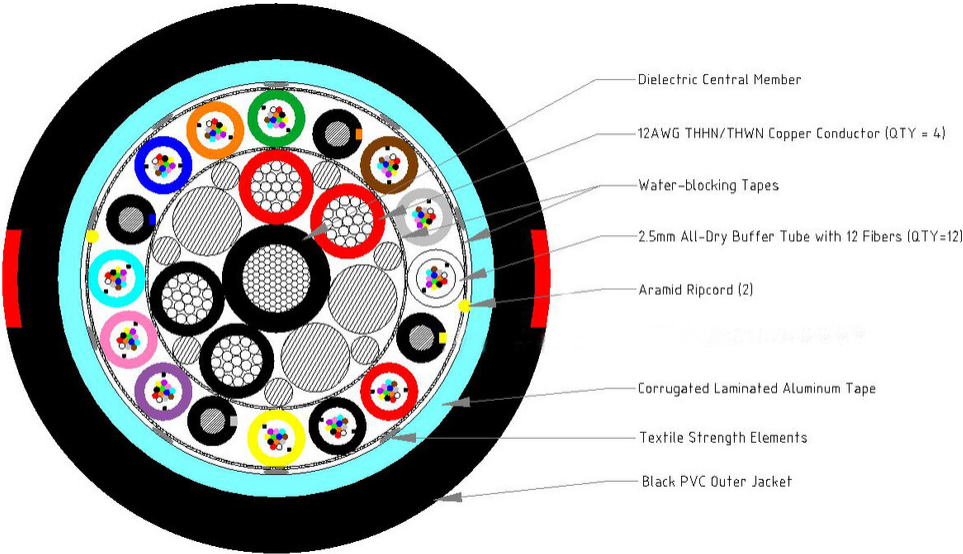
Buffer Tube/Subunit Diameter	2.54 mm 0.1 in
Diameter Over Jacket	23.419 mm 0.922 in
Conductor Gauge	12 AWG

Electrical Specifications

dc Resistance Note	Maximum value based on a standard condition of 20 °C (68 °F)
--------------------	--

dc Resistance, maximum	5.413 ohms/km 1.65 ohms/kft
Electrical Safety Standard	UL 1277, Type TC-ER-OF

Representative Image



Material Specifications

Ripcord Material	Para-aramid synthetic fiber
------------------	-----------------------------

Mechanical Specifications

Minimum Bend Radius, multiple bends, loaded	436.88 mm 17.2 in
Minimum Bend Radius, multiple bends, unloaded	279.4 mm 11 in
Minimum Bend Radius, single bend, unloaded	279.4 mm 11 in
Tensile Load, long term, maximum	800.68 N 180 lbf
Tensile Load, short term, maximum	2,668.932 N 600 lbf
Compression	2.25 kg/mm 126 lb/in
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
Twist	10 cycles
Twist Test Method	FOTP-85

Optical Specifications

Fiber TypeG.652.D and G.657.A1

Environmental Specifications

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 +80 °C (-40 °F to +176 °F)

Cable Qualification StandardsANSI/ICEA S-87-640 | Telcordia GR-20 | Telcordia GR-3173 | Telcordia GR-421 | UL 1277

Environmental SpaceWireless installation

Jacket UV ResistanceUV stabilized

Packaging and Weights

Cable weight619.076 kg/km | 416 lb/kft

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant



Included Products

CS-8G-MP – Enhanced Low Macrobending, Zero Water Peak, Dispersion-Unshifted Singlemode Fiber (ITU-T G.657.A2, B2)

* Footnotes

Operating Temperature Specification applicable to non-terminated bulk fiber cable