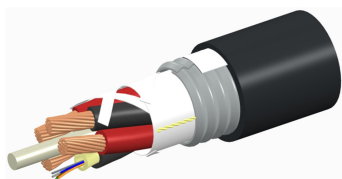


760256176 | HTC-144SM-DT-412-418-AZHA (LSZH)



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

Product Classification

Regional Availability

Asia | Australia/New Zealand | EMEA | Latin America | North America

Product Type

Low Smoke Zero Halogen 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

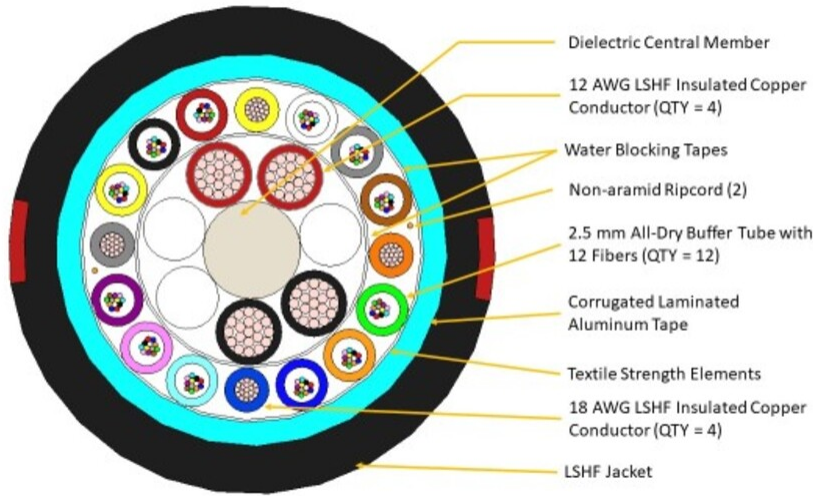
5.413 ohms/km | 1.65 ohms/kft

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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 |

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Optical Specifications

Fiber Type G.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 Standards ANSI/ICEA S-87-640 | Telcordia GR-20 | Telcordia GR-3173 | Telcordia GR-421 | UL 1277

Environmental Space Wireless installation

Jacket UV Resistance UV stabilized

Packaging and Weights

Cable weight 619.076 kg/km | 416 lb/kft