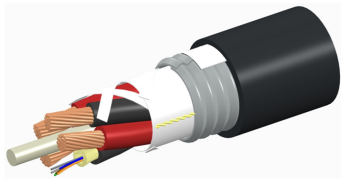


# 760256176 | HTC-144SM-DT-412-418-AZHA (LSZH)



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

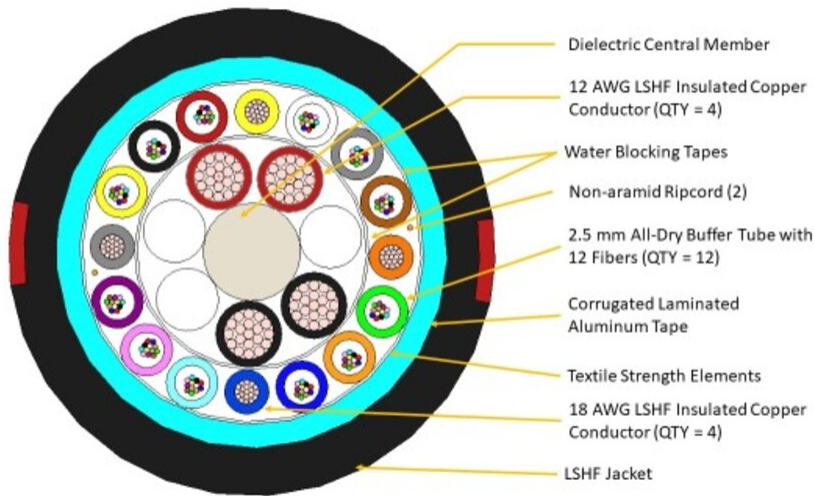
5.413 ohms/km | 1.65 ohms/kft

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

Electrical Safety Standard

UL 1277, Type TC-ER-OF

## Representative Image



## Material Specifications

**Ripcord Material** Para-aramid synthetic fiber

## Mechanical Specifications

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

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

---

## 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

## Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.andrew.com/ProductCompliance">www.andrew.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant

