

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

## Product Classification

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

## General Specifications

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

## Dimensions

<b>Buffer Tube/Subunit Diameter</b>	2.54 mm   0.1 in
<b>Diameter Over Jacket</b>	23.419 mm   0.922 in

# 760221276 | HTC-144SM-DT-412-418-APVA

**Conductor Gauge** 12 AWG

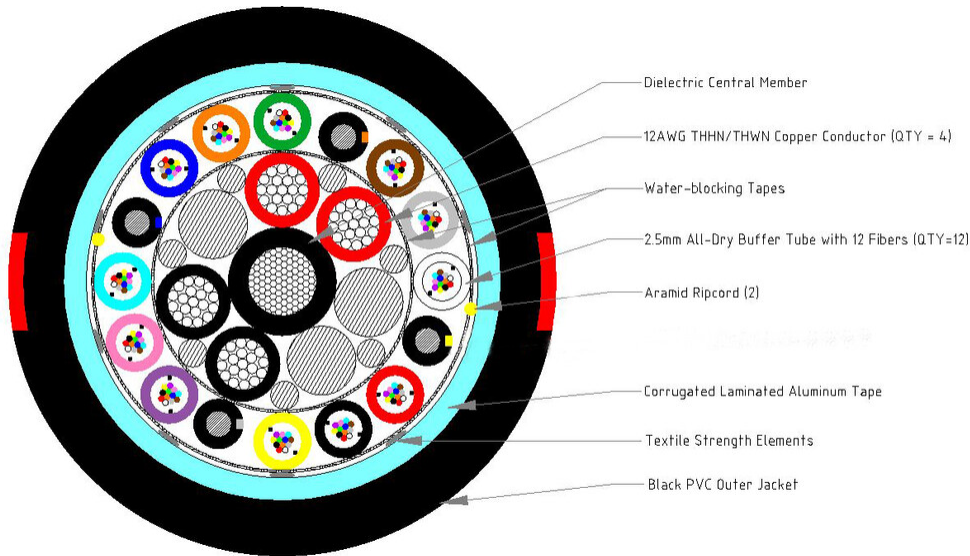
## Electrical Specifications

**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

<b>Impact Test Method</b>	FOTP-25
<b>Twist</b>	10 cycles
<b>Twist Test Method</b>	FOTP-85

## Optical Specifications

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

<b>Installation temperature</b>	-30 °C to +70 °C (-22 °F to +158 °F)
<b>Operating Temperature</b>	-40 °C to +70 °C (-40 °F to +158 °F)
<b>Storage Temperature</b>	-40 °C to +80 °C (-40 °F to +176 °F)
<b>Cable Qualification Standards</b>	ANSI/ICEA S-87-640   Telcordia GR-20   Telcordia GR-3173   Telcordia GR-421   UL 1277
<b>Environmental Space</b>	Wireless installation
<b>Jacket UV Resistance</b>	UV stabilized

## Packaging and Weights

<b>Cable weight</b>	619.076 kg/km   416 lb/kft
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## Included Products

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

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