

Power & Control Fire Resistant 600V 12x2x16 AWG Shielded HFFR Cable INSTRUMENTATION & SIGNAL

P/N 8I6HM12101

INDUSTRY

Applications

Process control industry, Fire alarm, Indoor, Outdoor, Class 1 Division 2



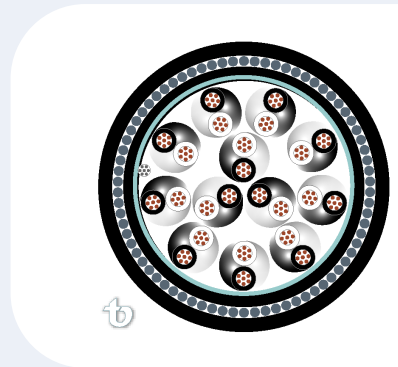
Outer Jacket Material
HFFR



Outer diameter
44.7 mm nom.



Weight
3134 kg/km



General Construction

12 twisted Pairs, foil shielded, Galvanized Steel Wire armored and jacketed.

This is a fire-resistant, flame-retardant cable designed to maintain circuit integrity during fire.

Design & Materials

Conductor Material	Annealed Bare Copper
Conductor Size (AWG)	16
Conductor Construction	7x0.49 mm
Insulation Material	XL-HFFR + Fire Resistant Tape
Insulation O.D. (mm nom)	4.0
Conductor Color Code	Black X White
Overall Shield Design	100% Coverage
Overall Shield Material	Aluminum/Polyester Foil
Overall Drain-wire Material	Annealed Tinned Copper
Overall Drain-Wire Size (AWG)	16
Overall Drain-wire Construction	Stranded
Inner Jacket Material	HFFR
Inner Jacket Thickness (mm nom)	1.6
Inner Jacket Diameter (mm nom)	36.6
Inner Jacket Color	Black
Armoring	Served Galvanized Steel Wire
Total Number Of Conductors	24
Rip-Cord	Yes

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Outer Diameter (mm nom)	44.7
Outer Jacket Thickness (mm nom)	2
Outer Jacket Color	Black
Marking	Per request
Outer Jacket Material	HFFR

Performance

Max. DC Resistance (Ω /km@20°C)	13.4
Dielectric Strength (V/minute)	2000
Dielectric Strength to Shield (V/minute)	1000
Voltage Rating (V)	600
Min. Bend Radius (mm)	Dx15
Min. Operating Temperature (°C)	-40
Max. Operating Temperature (°C)	+90
UV Resistance	Yes
Fire Resistance	Yes

Standards

Flammability Rating
 EN 61034-1
 EN 60754
 IEC 60331
 IEC 60332-1

Applicable Standards
 RoHS 3 2015/863/EU



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Version 1.0 | Last update: 2025-07-27