

524AHR Multi-Conductor - Commercial Applications, Addressable Systems



For more Information
please call

1-800-Belden1

**Description:**

16 AWGS stranded (7x24) bare copper conductors, ceramifiable silicone insulation, Beldfoil® shield (100% coverage), drain wire, FRPE (low smoke non-halogen) jacket. Sequential footage marking every two feet.

Usage (Overall)**Suitable Applications:**

Survivability, Survivability from Attack by Fire, Fire Alarm Circuit Integrity, CI, Survivability by NFPA72, Sim to MI, Similar to Mineral Insulated, FPLR-CI, Emergency Circuits, Notification Devices, Fire Pumps, 2 hour fire rating, Emergency Pumps, Emergency Shutdown Systems

Physical Characteristics (Overall)**Conductor****AWG:**

# Pairs	AWG	Stranding	Conductor Material
8	16	7x24	BC - Bare Copper

Insulation**Insulation Material:**

Insulation Material	Wall Thickness (in.)
Silicone Rubber	.034

Outer Shield**Outer Shield Material:**

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
18	7x26	TC - Tinned Copper

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (in.)
FRPE - Flame Retardant Polyethylene	.050

Overall Cable**Overall Cabling Lay Length & Direction:**

Length (in.)	Twists (ft.)
11.75	1

Overall Cabling Color Code Chart:

Number	Color
1	Black & White Printed
2	Black & White Printed
3	Black & White Printed
4	Black & White Printed
5	Black & White Printed
6	Black & White Printed
7	Black & White Printed

Overall Nominal Diameter:

0.879 in.

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Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +105°C
UL Temperature Rating:	105°C
Bulk Cable Weight:	407 lbs/1000 ft.
Max. Recommended Pulling Tension:	571 lbs.
Min. Bend Radius (Install)/Minor Axis:	9 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	FPLR, PLTC, ITC
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	07/20/06
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
Other Specification:	FPLR-CI

Flame Test

UL Flame Test:	UL1666 Riser
Other Flame Test:	UL2196 Two Hour Circuit Integrity

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Burial:	Yes
Sunlight Resistance:	Yes

Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

31

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

4.0

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

5.1

Max. Operating Voltage - UL:

Voltage

300 V RMS

Related Documents:

No related documents are available for this product

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Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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