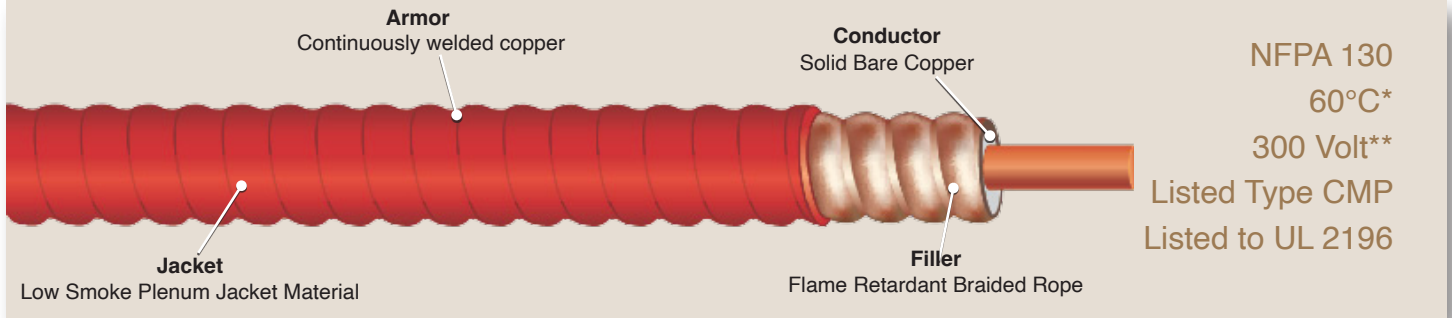




VITALink[®]
Circuit Integrity Cable

VITALink[®] Coax Transit

Fire Resistive Signal Cable



Features

- Fire Rated
- Easy stripability
- Available in long lengths
- CCW Armor
- Maintains connectivity without signal degradation

Performance Standards

- Listed Type CMP
- Listed to UL-2196 Circuit Integrity 2 Hour Rating
- Listed Type 444 Communications Cable; 300V/60°C Classified
- Rated for 50 Ohm
- Meets NFPA 70 Standard, Article 810, Communication Systems
- Meets NFPA 72 and NFPA 130 Standards
- Meets NFPA 262 CMP, Canada CSA 22.2/FT6

Construction

- Conductor:** Solid bare copper conductor
- Filler:** Flame retardant braided rope
- Armor:** Continuously welded copper shield
- Jacket:** Low smoke red plenum jacket material
- Bend Radius:** 8 in/203.2 mm

Scope

VITALink[®] Coax cables are designed to support Emergency Responder Radio Communication Systems (ERRCS), ensuring the safety of both emergency personnel and occupants in a fire. The ERRCS relies on wireless radio communication devices used by first responders inside tunnels and subway stations during emergencies.

During fire conditions, communication failures caused by signal loss could result in catastrophic consequences for both the first responders, riders and occupants in transit spaces. VITALink[®] Coax allows installation without conduit that offers pathway flexibility during the design and installation, while reducing overall installation cost.

* For Attenuation: VSWR 1.0, Ambient Temperature 20°C (68°F)

** For Average Power: VSWR 1.0, Ambient Temperature 40°C (104°F), Inner Conductor Temperature 100°C (212°F), No Solar Loading



Made in USA



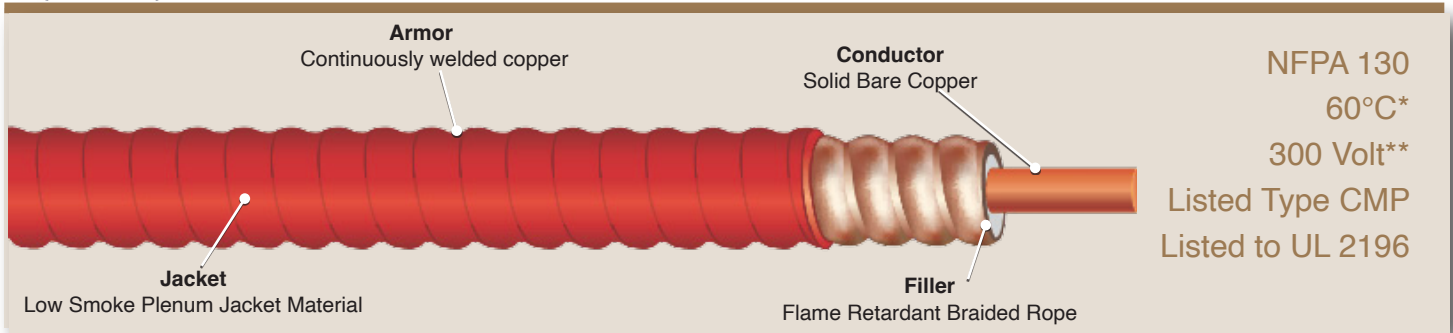
Marmon Electrical
A Berkshire Hathaway Company



VITALink[®]
Circuit Integrity Cable

VITALink[®] Coax Transit

Fire Resistive Signal Cable



Product Matrix

Part Number	Number of Conductors	AWG Size	Outer Jacket	Nominal Core Diameter (In/mm)	Nominal Armor Diameter (In/mm)	Nominal Jacket Diameter (In/mm)	Minimum Radius Bend (In/mm)	Approximate Net Weight (lbs/1000')
36821	1	5	Yes	0.188 (4.78)	0.550 (13.97)	0.630 (16.00)	8 (203.20)	270

Attenuation and Power Average

Frequency MHZ	Attenuation		Average Power kW
	dB/100 ft	dB/100 m	
150	1.12	3.67	4.82
450	2.32	7.61	1.68
600	2.88	9.45	1.46
700	3.20	10.50	1.46
800	3.56	11.68	1.18
900	3.86	12.66	1.18

* For Attenuation: VSWR 1.0, Ambient Temperature 20°C (68°F)

** For Average Power: VSWR 1.0, Ambient Temperature 40°C (104°F), Inner Conductor Temperature 100°C (212°F), No Solar Loading



Made in USA



Marmon Electrical
A Berkshire Hathaway Company