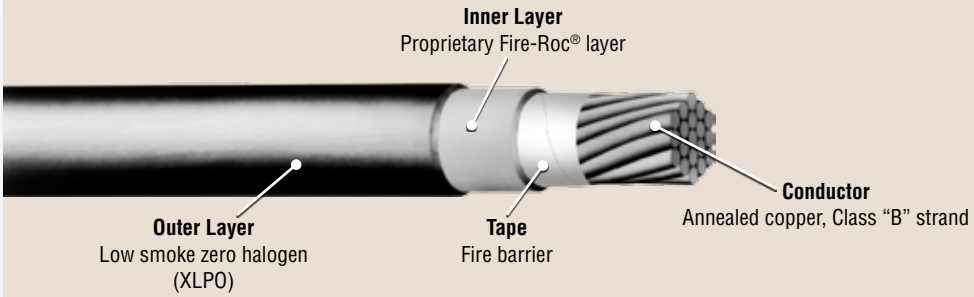
VITALink® 300
Type RHW-2
2 Hour Fire Rated Power Cable



90°C, 600 Volt
NEC Type RHW-2

Features

- 2 hour fire rating
- Moisture Resistant
- Approved with Champion Flame Shield Phenolic Conduit Type XW
- Low Smoke, Halogen free design
- Flexible for installation ease
- Easy stripability
- Available in long lengths
- No special tools, connectors, or procedures
- Easily pulled (low friction jacket)
- 2 hour fire rated splice
- Approved with Polywater Dyna-Blue pulling lubricant

Scope

VITALink® 300 is a unique RHW-2 cable which offers superior fire endurance capabilities along with the well-established benefits and features associated with NEC Type RHW-2 cable designs. It is specifically designed to meet the circuit integrity requirements for "Emergency Lighting", "Emergency Communication" and "Emergency Ventilation" applications with respect to NFPA 502 & NFPA 130 when installed in Champion Flame Shield Phenolic Conduit Type XW.

Performance Standards

- Tested to UL 2196 for 2 hours with Champion Flame Shield Phenolic Conduit Type XW
- UL Listed, NEC Type RHW-2 in accordance with UL Standard No. 44
- UL Listed FT4/IEEE 1202 Vertical Flame test
- UL Listed -ST1 per UL 44 and UL 1685 (FT4 Method), meeting smoke and flame requirements of NFPA 130 and NFPA 502
- UL Listed 90°C for both wet and dry locations
- UL Listed as -40°C
- UL Listed as Gasoline and Oil Resistant Type II
- UL Listed as Sunlight Resistant
- Low toxicity index per NES 713

Applications

- Exceeds NFPA 130 fire resistive cable requirements
- Exceeds NFPA 502 fire resistive cable requirements

Construction

Conductor: Bare Copper, Class "B" stranding per ASTM B3
Tape: Helically applied fire barrier
Insulation: Two layer composite construction
Inner Layer: Black Proprietary Low Smoke Zero Halogen thermoset Fire-Roc® layer
Outer Layer: Black Low-Smoke Zero Halogen Cross Linked Polyolefin (LSZH XLPO) (colors available on request)

Marmon Engineered Wire & Cable LLC
A Berkshire Hathaway Company

Product Code	Conductor Size (AWG Kcmil)	Number of Strands	Insulation Thickness (mils)	Approx. Diameter (inches)	Approx. Weight (lbs/kft)	Ampacity[1] (amperes)
VR01014-300	14	7	45	0.19	29	15[2]
VR01012-300	12	7	45	0.21	39	20[2]
VR01010-300	10	7	45	0.24	54	30[2]
VR01008-300	8	7	60	0.30	84	55
VR01006-300	6	7	75	0.36	126	75
VR01004-300	4	7	75	0.41	182	95
VR01003-300	3	7	75	0.44	220	115
VR01002-300	2	7	75	0.47	268	130
VR01001-300	1	19	100	0.55	353	145
VR011X0-300	1/0	19	100	0.59	429	170
VR012X0-300	2/0	19	100	0.64	525	195
VR013X0-300	3/0	19	100	0.69	643	225
VR014X0-300	4/0	19	100	0.76	790	260
VR01250-300	250	37	130	0.85	969	290
VR01350-300	350	37	130	0.96	1308	350
VR01500-300	500	37	130	1.11	1807	430
VR01600-300	600	61	145	1.21	2172	475
VR01750-300	750	61	145	1.32	2668	535

Notes:

[1] Ampacity is based on Table 310.16 of the National Electrical Code (NEC) based on the 90C column with 30C ambient, and 3 current carrying conductors. Temperature limitations per 110.14 of the NEC needs to be considered. Table does not take into consideration voltage drop or fault current capability.

[2] Ampacity shown for 14, 12 and 10 AWG conductors is limited by NEC section 240.4(D).

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