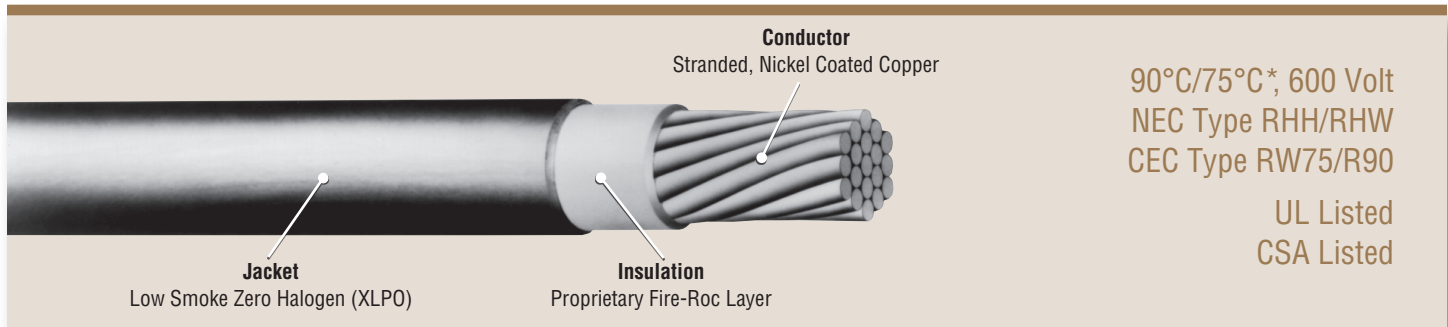




www.vitalinkcable.com

VITALink® RHW/NCC Fire Resistive Power Cable



Features

- Fire Rated
- Moisture Resistant
- Installs in steel raceway with steel fittings
- 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)

Performance Standards

- Insulation resistance is in excess of 10,000 ohms in 60 minute 2000°F flame test per Mil-W-25038 (Shake & Bake)
- Additional Third Party Qualification for 30 min. @ 2000°F witnessed by UL
- Passes IEC 331 flame test modified to 3 hours @ 2000°F
- UL Listed, NEC Type RHH/RHW in accordance with UL Standard No. 44
- Approved and marked with the “Sunlight Resistant” designation
- CSA Listed CEC Type RW75/R90 in accordance with CSA Standard C22.2 No. 38
- Type RHW rating allows for use in wet locations at 75°C
- UL Rated as -40°C
- Cable passes the UL VW-1 vertical flame test
- UL Rated as Gasoline and Oil Resistant Type 1
- CSA Listed R90 SIL
- Approved and marked with “FT-4” flame test designation
- ST1 Smoke Rating

Scope

VITALink® RHW/NCC is a unique cable which offers superior fire endurance capabilities along with the well established benefits and features associated with NEC Type RHW cable designs. This cable is suitable for use in circuits where the maintenance of circuit integrity is an absolute necessity to allow the operation of systems or equipment vital to life or safety under emergency conditions. It has applications in the petroleum industry for MOV's, fire pumps and other critical functions where fire survivability is essential.

* 90°C dry, 75°C wet per NEC

Construction

Conductor: Stranded, nickel coated copper

Insulation: Proprietary Low Smoke Zero Halogen thermoset Fire-Roc layer

Jacket: Black Low-Smoke Zero Halogen Cross Linked Polyolefin (XLPO)



Marmon Engineered Wire & Cable LLC
A Berkshire Hathaway Company

Product Code	Conductor Size AWG/Kcmil	Number of Strands	Insulation Thickness		Jacket Thickness		Nominal Diameter		Approximate Net Weight		Ampacity* (See note)
			(mils)	(mm)	(mils)	(mm)	(mils)	(mm)	(lbs./1000 ft.)	(kg/m)	
F22-0140	14	19	45	1.14	15	0.38	0.21	5.3	35	0.052	15
F22-0120	12	19	45	1.14	15	0.38	0.23	5.8	45	0.067	20
F22-0110	10	49	45	1.14	15	0.38	0.26	6.6	65	0.097	29
F22-0080	8	133	60	1.52	30	0.76	0.36	9.1	100	0.149	42
F22-0060	6	133	60	1.52	30	0.76	0.40	10.2	140	0.208	63
F22-0040	4	133	60	1.52	30	0.76	0.46	11.7	200	0.298	80
F22-0020	2	665	60	1.52	30	0.76	0.52	13.2	295	0.439	96
F22-0010	1	817	80	2.03	45	1.14	0.66	16.8	400	0.595	109
F22-0100	1/0	1045	80	2.03	45	1.14	0.71	18.0	485	0.722	126
F22-0200	2/0	1330	80	2.03	45	1.14	0.73	18.5	580	0.863	147
F22-0400	4/0	2107	80	2.03	45	1.14	0.89	22.6	875	1.302	193
F22-0350	350	3458	95	2.41	65	1.65	1.14	29.0	1,430	2.128	261
F22-0500	500	5054	95	2.41	65	1.65	1.32	33.5	2,000	2.976	320

*Ampacity based on Table 310.16 of the National Electrical Code for not more than three-current-carrying conductors at 75° C conductor temperature and 30°C ambient, adjusted for NCC conductors.

Other sizes and configurations are available on request.



Marmon Engineered Wire & Cable LLC
A Berkshire Hathaway Company