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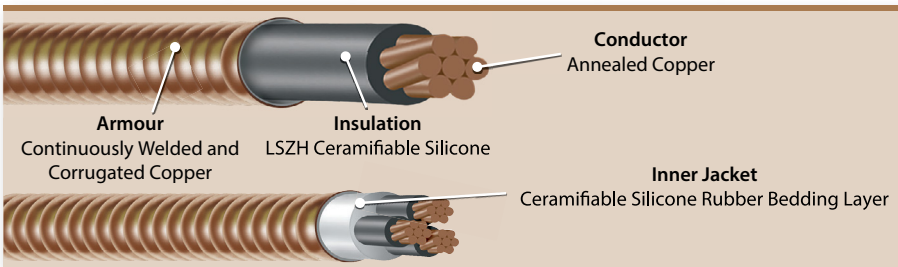
VITALink® RC90, 2-Hour Fire Rated Power Cable



NBC OS1
CSA 22.1
UL 2196 / ULC S139 with Hose
600 Volt, 90˚C
CEC Type RC90
System FHIT7 120

APPLICATIONS

- Fire alarms, lighting, elevators, communication
- Fire pumps, refuge areas
- NBC OS1, NBC 3.2.7.10
- CSA 22.1 Article 12-700
- Wet locations
- All applications where Type RC90 is acceptable per CEC Table 19
- All applications where UL 2196/ULC S139 is required

FEATURES

- 2-hour fire resistance
- Splice available
- Superior resistance to flame propagation
- Only conventional tools required to terminate
- Commercially available brass/stainless steel connectors
- Printed number coding allows for easy identification (ICEA Method 4)
- Labour savings on termination, installation, and handling
- Superior impact & crush resistance
- Low smoke, low toxicity, halogen-free design
- Welded armour forms an impervious barrier
- Flexible
- Copper sheath can be used for equipment bonding exceeding CEC Rule 10-618 and 10-804
- Long continuous lengths available
- Multiple sizes and conductor counts available
- VFD cable design available

PERFORMANCE STANDARDS

- Fire alarms, lighting, elevators, communication
- Fire pumps, refuge areas
- NBC OS1, NBC 3.2.7.10
- CSA 22.1 Article 12-700
- Wet locations
- All applications where Type RC90 is acceptable per CEC Table 19
- All applications where UL 2196/ ULC S139 is required

OVERVIEW

VITALink® RC90 is a 600V 2-hour fire rated cable listed to ULC S139 with hose stream. When installed per system FHITC 120 and the CEC, VITALink® RC90 meets the code requirements for:
• 2 hour fire rated circuits
• Electrical circuit integrity systems
• Survivability and circuit integrity

VITALink® RC90 Cables offer lowered cost, reliability, and ease of installation advantages over MI cable and other methods of providing fire rated circuits. The equipment grounding copper armour is terminated with commercially available brass MC/RC connectors and the cable connections are made without the need for splicing or use of special tools. Compared to Mineral Insulated (MI) cable, VITALink® RC90 is not exposed to costly field expenses in preparing cable ends, special panel penetrations, additional flexible terminations, and the splicing of shorter lengths in longer runs. VITALink® RC90 is not susceptible to failures caused by moisture ingress through leaky seals or faulty storage.

Contact wire and cable specialist today to learn more!
1.800.665.1025 or
texcan.sales@texcan.ca

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VITALink® RC90 Single Conductor 2-Hour Fire Rated Power Cable

Part Number	AWG	# of Cond.	Nominal Cable Diameter	Nominal Armour Diameter (In)	Approximate Net Weight (Lbs/1000 ft)	Ampacity 75˚C / 90˚C Amps*
26-VM011X0-500	1/0	1	0.66	1.00	815	230/260
26-VM012X0-500	2/0	1	0.70	1.04	925	265/300
26-VM013X0-500	3/0	1	0.75	1.08	1,055	310/350
26-VM014X0-500	4/0	1	0.81	1.16	1,235	360/405
26-VM01250-500	250	1	0.89	1.22	1,410	405/455
26-VM01350-500	350	1	0.99	1.35	1,795	505/570
26-VM01500-500	500	1	1.13	1.50	2,350	620/700
26-VM01750-500	750	1	1.34	1.73	3,285	785/885

*Ampacity per CEC Table 1

VITALink® RC90 Multi Conductor 2-Hour Fire Rated Power Cable

Part Number	AWG	# of Cond.	Nominal Cable Diameter	Nominal Armour Diameter (In)	Approximate Net Weight (Lbs/1000 ft)	Ampacity 75˚C / 90˚C Amps*
26-VM02014-500	14	2	0.49	0.82	395	20/25
26-VM02012-500	12	2	0.53	0.82	415	25/30
26-VM02010-500	10	2	0.58	0.89	475	35/40
26-VM03014-500	14	3	0.52	0.82	425	20/25
26-VM03012-500	12	3	0.56	0.89	475	25/30
26-VM03010-500	10	3	0.61	0.94	542	35/40
26-VM03008-500	8	3	0.72	1.04	675	50/55
26-VM03006-500	6	3	0.80	1.16	840	65/75
26-VM03004-500	4	3	0.91	1.24	1,140	85/95
26-VM03003-500	3	3	0.97	1.30	1,210	100/115
26-VM03002-500	2	3	1.04	1.41	1,400	115/130
26-VM03001-500	1	3	1.21	1.59	1,715	130/145
26-VM031X0-500	1/0	3	1.29	1.67	1,990	150/170
26-VM032X0-500	2/0	3	1.39	1.80	2,345	175/195
26-VM033X0-500	3/0	3	1.49	1.92	2,755	200/225
26-VM034X0-500	4/0	3	1.62	2.04	3,305	230/260
26-VM03250-500	250	3	1.80	2.26	3,870	255/290
26-VM03350-500	350	3	2.02	2.48	5,015	310/350
26-VM03500-500	500	3	2.30	2.82	6,720	380/430
26-VM04014-500	14	4	0.57	0.89	480	20/25
26-VM04012-500	12	4	0.62	0.94	575	25/30
26-VM04010-500	10	4	0.67	1.00	635	35/40
26-VM04008-500	8	4	0.80	1.16	815	50/55
26-VM04006-500	6	4	0.89	1.22	990	65/75
26-VM04004-500	4	4	1.00	1.35	1,285	85/95
26-VM04003-500	3	4	1.07	1.41	1,475	100/115
26-VM04002-500	2	4	1.15	1.50	1,710	115/130
26-VM04001-500	1	4	1.34	1.73	2,125	130/145
26-VM041X0-500	1/0	4	1.43	1.82	2,485	150/170
26-VM042X0-500	2/0	4	1.54	1.95	2,935	175/195
26-VM043X0-500	3/0	4	1.68	2.12	3,530	200/225
26-VM044X0-500	4/0	4	1.82	2.26	4,205	230/260
26-VM04250-500	250	4	2.00	2.46	4,925	255/290
26-VM04350-500	350	4	2.25	2.71	6,420	310/350
26-VM04500-500	500	4	2.60	3.13	8,740	380/430

**CEC Table 2 for three current carrying conductors