



CALL US TODAY: 01502 713161



VITALINK MC TRANSIT

UL Listed
UL Electrical Circuit
Integrity System (FHIT 120)
NEC Type MC
NFPA 130 & 502
Low Smoke Zero Halogen
90°C*
600/1000 volt

VITALink is a low smoke zero halogen armoured power cable system with a two-hour fire rating. The jacket surrounds a corrugated continuously welded copper armour and Fire-Roc insulation giving the annealed copper wire maximum protection. VITALink has a multicore format, and is fully self-contained, making it suitable for installation on essential circuits in tunnels, where cables may be subjected to very high temperatures. Its applications include emergency circuits in ventilation, lighting and communications.

FEATURES

- 2-hour fire rating
- Available as a VFD cable with segmented grounds
- Simple to terminate with commercially available brass or stainless steel MC connectors
- Printed number coding allows for easy circuit identification
- Uses conventional tools for terminating
- Available in long lengths
- Welded armour forms an impervious barrier
- Armour is impact and crush resistant
- Fire-rated splice available (FHIT 120)

PERFORMANCE STANDARDS

- UL listed, NEC Type MC in accordance with UL Standard 1569
- UL listed as 2-hour fire rated in accordance with ANSI/UL 2196, maximum 480 volts under fire conditions
- Electrical Circuit Integrity Systems (FHIT) – System No. 120 of the UL Fire Resistance Directory
- Meets and exceeds fire rated cable requirements in NFPA 130 for transit applications and NFPA 502 for Highway Tunnel applications
- Complies with NFPA 130 and NFPA 502 for total smoke released and low toxicity
- Rated FT-4/IEEE 1202 Vertical Flame test; ST1, limited smoke
- Armoured with copper sheath that exceeds the NEC requirement for equipment grounding conductor

CONSTRUCTION

Conductor: Annealed copper, Class 'B' strand per ASTM B-170 and B-8

Insulation: Thermoset, low smoke zero halogen silicone rubber

Circuit Identification: Printed numbers per ICEA Method 4

Inner Jacket: Thermoset, low smoke zero halogen silicone rubber

Armour: Continuously welded and corrugated copper

Outer Jacket: Black low smoke zero halogen polyolefin (colours available on request)

*Rated 90°C for normal operation, 130°C for emergency overload conditions and 250°C for short circuit conditions.

GOLDWING

VITALINK® MC TRANSIT – 2-HOUR FIRE RATED POWER CABLE

Product Code	Size (AWG/kcmil)	Number of Conductors	Nominal Core Diameter (Inch)	Nominal Armour Diameter (Inch)	Nominal Cable Diameter over Outer Jacket (Inch)	Approximate Net Weight (Lbs/1000 ft)
VM02014-200	14	2	0.49	0.82	0.92	490
VM03014-200	14	3	0.52	0.82	0.92	510
VM04014-200	14	4	0.57	0.89	0.99	580
VM02012-200	12	2	0.53	0.82	0.92	522
VM03012-200	12	3	0.56	0.89	0.99	599
VM04012-200	12	4	0.62	0.94	1.04	670
VM02010-200	10	2	0.58	0.89	0.99	604
VM03010-200	10	3	0.61	0.94	1.04	685
VM04010-200	10	4	0.67	1.00	1.10	767
VM03008-200	8	3	0.72	1.04	1.14	838
VM04008-200	8	4	0.80	1.16	1.26	977
VM03006-200	6	3	0.80	1.16	1.26	1,020
VM04006-200	6	4	0.89	1.22	1.32	1,158
VM03004-200	4	3	0.91	1.24	1.34	1,246
VM04004-200	4	4	1.01	1.35	1.45	1,510
VM03003-200	3	3	0.97	1.30	1.40	1,410
VM04003-200	3	4	1.07	1.41	1.51	1,700
VM03002-200	2	3	1.04	1.41	1.51	1,649
VM04002-200	2	4	1.15	1.50	1.60	1,940
VM03001-200	1	3	1.20	1.59	1.71	1,990
VM04001-200	1	4	1.33	1.73	1.85	2,550
VM011X0-200	1/0	1	0.65	1.00	1.10	920
VM031X0-200	1/0	3	1.29	1.67	1.79	2,350
VM041X0-200	1/0	4	1.43	1.82	1.94	2,750
VM012X0-200	2/0	1	0.70	1.04	1.14	1,030
VM032X0-200	2/0	3	1.38	1.80	1.92	2,757
VM042X0-200	2/0	4	1.54	1.95	2.07	3,320
VM013X0-200	3/0	1	0.75	1.08	1.18	1,189
VM033X0-200	3/0	3	1.50	1.92	2.04	3,321
VM043X0-200	3/0	4	1.68	2.13	2.25	3,950
VM014X0-200	4/0	1	0.80	1.16	1.26	1,360
VM034X0-200	4/0	3	1.62	2.04	2.16	4,007
VM044X0-200	4/0	4	1.82	2.26	2.38	4,680
VM01250-200	250	1	0.89	1.22	1.32	1,620
VM03250-200	250	3	1.81	2.26	2.38	4,380
VM04250-200	250	4	2.01	2.46	2.61	5,470
VM01350-200	350	1	0.99	1.35	1.45	2,000
VM03350-200	350	3	2.03	2.48	2.63	6,242
VM04350-200	350	4	2.26	2.71	2.86	7,050
VM01500-200	500	1	1.12	1.48	1.58	2,575
VM03500-200	500	3	2.31	2.82	2.97	7,721
VM04500-200	500	4	2.58	3.13	3.30	9,520
VM01750-200	750	1	1.33	1.73	1.85	3,455