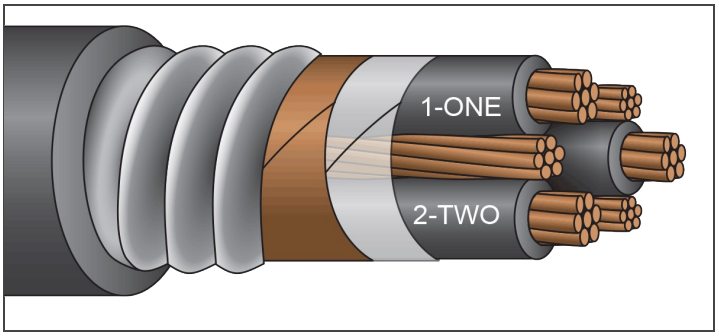
SERVICEDRIVE®



VFD JACKETED MC (ACWU90)

RHW-2/CPE

2,000 Volt Copper

Description:

Three copper conductors, stranded and insulated with heat and moisture resistant, chemically crosslinked polyethylene *(type RHW-2)*, phase identified and cabled together with suitable fillers and three symmetrical bare copper ground conductors. Cable core shielded with 5-mil copper tape, helically applied with 50% overlap for 100% coverage and double tape thickness throughout the cable. Shielded core covered with galvanized steel interlocked armor with overall black CPE jacket. ***Available with aluminum armor or PVC or EnviroPlus® (LSZH) jacket. Available with 50% grounds*.***

Application:

For use in VFD applications.

Suitable for use in hazardous locations: Class I - Div 2,
Class II - Div 2, Class III - Div 1 and 2

*Patented for use with ServiceDrive® connector and termination kit.

Standards:

UL 1569, CSA C22.2 #51
ICEA S-95-658/NEMA WC-70
Flame Rated: IEEE 383 *(70,000 BTU),* IEEE 1202/CSA FT-4,
UL 1685, Two-hour Firewall
Temperature Rated at 90°C Wet/Dry, Cold Temperature Rated at -40°C
Sunlight Resistant
Direct Burial
Color Code: Black and Numbered
RoHS Compliant
NEMA BABA 70901-2-2024 WC-02-03, WC-02-04, WC-02-05

**U.S. Patent No. 7,309,835*

Part Number	Size (AWG or Kcmil)	Strand (no.)	Insulation Thickness (mils)	Grounding Conductors (AWG)	Diameter Over Armor (in.)	Jacket Thickness (mils)	Approx. Diameter Overall (in.)	Approx. Net Weight (lb./1000')	Ampacity** (30°C ambient) 90°C Wet/Dry
VFD2KGC14/3	14†	7	60	(3) #14	0.63	50	0.73	376	25
VFD2KGC12/3	12†	7	60	(3) #14	0.67	50	0.77	426	30
VFD2KGC10/3	10†	7	60	(3) #14	0.73	50	0.83	496	40
VFD2KGC8/3	8†	7	80	(3) #14	0.87	50	0.97	658	55
VFD2KGC6/3	6	7	80	(3) #12	0.95	50	1.05	836	75
VFD2KGC4/3	4	7	80	(3) #12	1.07	50	1.17	1,064	95
VFD2KGC3/3	3	7	80	(3) #10	1.11	50	1.21	1,234	110
VFD2KGC2/3	2	7	80	(3) #10	1.23	50	1.33	1,416	130
VFD2KGC1/3	1	19	95	(3) #10	1.37	50	1.47	1,806	150
VFD2KGC1/03	1/0	19	95	(3) #10	1.47	60	1.57	2,093	170
VFD2KGC2/03	2/0	19	95	(3) #10	1.57	60	1.69	2,470	195
VFD2KGC3/03	3/0	19	95	(3) #8	1.67	60	1.79	2,945	225
VFD2KGC4/03	4/0	19	95	(3) #8	1.81	60	1.93	3,478	260
VFD2KGC250/3	250	37	110	(3) #8	1.93	60	2.05	4,088	290
VFD2KGC350/3	350	37	110	(3) #6	2.17	60	2.29	5,359	350
VFD2KGC500/3	500	37	110	(3) #6	2.41	75	2.56	7,126	430
VFD2KGC600/3	600	61	125	(3) #6	2.65	75	2.80	8,372	475
VFD2KGC750/3	750	61	125	(3) #4	2.85	75	3.00	10,144	535

† UL Listed Only
**Per NEC Table 310.15 (B)(16).
NOTE: The data shown is approximate and subject to standard industry tolerances.