

FREP® - XHHW-2 FR-EP/CPE Jacket - 12 AWG - E-1 Color Code

CPE Jacket
 EPR Insulation - XHHW-2 (VW-1)
 90°C - 600 Volt - UL Type TC-ER*
 E-1 Color Code



*Product images are for illustrative purposes only and may differ from the actual product.

Category Conductor Description:

- Fully annealed, stranded tinned copper per ASTM B33 Class B stranding per ASTM B8

Category Insulation Description:

- Flame-retardant Ethylene Propylene Rubber (EPR)

Category Jacket Description:

- Lead-free, flame-retardant thermoplastic Chlorinated Polyethylene (CPE)

Applications:

- Used as power and control cables in dry and wet locations
- Can be installed in cable trays, raceways, and open air
- Suitable for exposure to weather, direct burial, and for Class 1 Division 2 hazardous locations as per NEC

Standards:

- IEEE 1202
- UL 44 (Type XHHW-2)
- UL 1581 VW-1
- UL 1277 Type TC-ER
- Rated for UV/Sunlight Resistant applications

Color Code Chart			
Cond #	Color	Cond #	Color
1	Black	31	Orange/Black Stripe
2	White	32	Blue/Black Stripe
3	Red	33	Black/White Stripe
4	Green	34	Red/White Stripe
5	Orange	35	Green/White Stripe
6	Blue	36	Blue/White Stripe

7	White/Black Stripe	37	Black/Red Stripe
8	Red/Black Stripe		
9	Green/Black Stripe		
10	Orange/Black Stripe		
11	Blue/Black Stripe		
12	Black/White Stripe		
13	Red/White Stripe		
14	Green/White Stripe		
15	Blue/White Stripe		
16	Black/Red Stripe		
17	White/Red Stripe		
18	Orange/Red Stripe		
19	Blue/Red Stripe		
20	Red/Green Stripe		
21	Orange/Green Stripe		
22	Black		
23	White		
24	Red		
25	Green		
26	Orange		
27	Blue		
28	White/Black Stripe		
29	Red/Black Stripe		
30	Green/Black Stripe		

Part Number Table

Part#	Gauge	Conductors	Insulation Thickness	Jacket Thickness	Outside Diameter Inches	Material Weight (Lbs./M')
AF161202	12	2	0.03	0.045	.2500 x .4100	82
AF161203	12	3	0.03	0.045	0.435	124
AF161204	12	4	0.03	0.045	0.475	157
AF161205	12	5	0.03	0.045	0.52	191
AF161207	12	7	0.03	0.06	0.595	268
AF161212	12	12	0.03	0.06	0.765	428

Note: The data shown are approximate and subject to standard industry and manufacturer tolerances. *ER Rating only applies to 3 conductors or more; AF161202 has a flat construction.

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