

## Crosslinked Polyalkene/PVDF 150° Transit Wire

600 Volt  
Light, Medium and Heavy Wall

Spec. DAA1111

### Scope

This dual layer, high temperature transit wire offers outstanding performance that makes it suitable for many applications where high density cabling and harnessing are required. Besides offering size and weight advantages, these wires have excellent resistance to cut through, abrasion, cold flow, shrink back,

notch propagation, and common chemicals. In addition, they strip and stripe easily, may be potted, and have low smoke characteristics. This wire should be considered for transit vehicle interior electronics equipment and other applications.

### Features

- Thermoset insulation
- Superior mechanical properties
- High temperature
- Light weight
- Excellent fluid and moisture resistance

### Performance Standards

- Meets all requirements of MIL-W-81044/6, /9 and /12
- Temperature rating 150°C
- Low temperature rating -65°C

### Construction

#### Conductor

Tin coated copper

#### Insulation

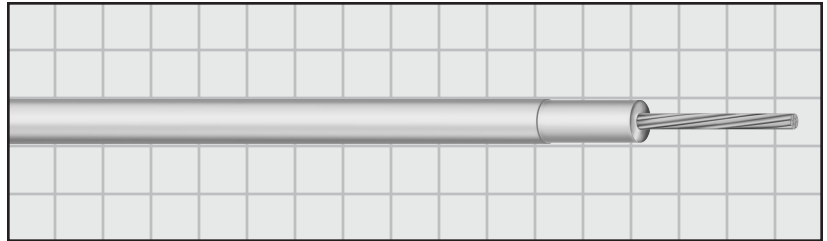
Crosslinked Polyalkene

#### Jacket

Crosslinked PVDF

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Product Number	Conductor Size		Stranding	Max. Strand Diameter		Max. Diameter		Max. Weight	
	(AWG)	(mm <sup>2</sup> )		(Inch)	(mm)	(Inch)	(mm)	(#/m <sup>3</sup> )	(kg/km)
<b>Light Weight</b>									
XPK30-L	30	.06	7/38	0.013	.33	0.029	.74	0.71	1.06
XPK28-L	28	.09	7/36	0.016	.44	0.032	.81	0.96	1.43
XPK26-L	26	.15	19/38	0.021	.53	0.036	.91	1.4	2.08
XPK24-L	24	.24	19/36	0.026	.66	0.042	1.07	2.1	3.12
XPK22-L	22	.38	19/34	0.033	.84	0.049	1.24	3.1	4.61
XPK20-L	20	.62	19/32	0.041	1.04	0.057	1.45	4.6	6.84
XPK18-L	18	.96	19/30	0.051	1.29	0.067	1.70	7.0	10.4
XPK16-L	16	1.23	19/29	0.058	1.47	0.075	1.90	8.9	13.2
XPK14-L	14	1.94	19/27	0.073	1.85	0.093	2.36	13.9	21
XPK12-L	12	4.74	37/28	0.090	2.29	0.112	2.84	21.7	32
<b>Medium Weight</b>									
XPK24-M	24	.24	19/36	0.026	.66	0.056	1.42	2.7	4.02
XPK22-M	22	.38	19/34	0.033	.84	0.065	1.65	3.9	5.80
XPK20-M	20	.62	19/32	0.041	1.04	0.073	1.85	5.5	8.18
XPK18-M	18	.96	19/30	0.051	1.29	0.083	2.11	8.0	11.9
XPK16-M	16	1.23	19/29	0.058	1.47	0.093	2.36	10.1	15
XPK14-M	14	1.94	19/27	0.073	1.85	0.112	2.84	15.5	23
XPK12-M	12	3.00	37/28	0.090	2.29	0.130	3.30	23.0	34
XPK10-M	10	4.74	37/26	0.114	2.89	0.160	4.06	35.7	53
<b>Heavy Weight</b>									
XPK24-H	24	.24	19/36	0.026	.66	0.059	1.50	3.0	4.5
XPK22-H	22	.38	19/34	0.033	.84	0.072	1.83	4.3	6.45
XPK20-H	20	.62	19/32	0.041	1.04	0.081	2.06	6.1	9.15
XPK18-H	18	.96	19/30	0.051	1.29	0.091	4.37	8.7	13.0
XPK16-H	16	1.23	19/29	0.058	1.47	0.101	2.57	10.9	16.4
XPK14-H	14	1.94	19/27	0.073	1.85	0.119	3.02	16.2	24.3
XPK12-H	12	3.00	37/28	0.090	2.29	0.135	3.43	24.2	36.3
XPK10-H	10	4.74	37/26	0.114	2.89	0.166	4.22	36.5	54.8