



## Technical Data

### Physical

Property	Test Method	Typical Performance
Tensile Strength	ASTM D638	2700 psi (19 MPa)
Ultimate Elongation	ASTM D638	600%
Heat Shock (4hrs at 225°C)	ASTM D2671	No cracking or flowing
Air Oven Ageing (7 days at 150°C)	ASTM D2671	
Tensile Strength	ASTM D638	2100 psi (14.5 MPa)
Elongation	ASTM D638	540%
Specific Gravity	ASTM D792	0.94
Hardness (Shore D)	ASTM D2240	50 D

### Electrical

Dielectric Strength	ASTM D2671	700 V/Mil (28 kV/mm)
Volume Resistivity	ASTMD257	1.9x10 <sup>18</sup> ohm-cm
Dielectric Constant (1KHZ)	ASTM D150	4.05

### Chemical

Fluid Resistance	MIL-DTL-23053/15	Good to Excellent
Hydraulic Fluid (MIL H5606C)	MIL-DTL-23053/15	
Tensile Strength	ASTM D638, ISO 37	2500 psi (17MPa)
Elongation	ASTM D638, ISO 37	600%
Lubricating Oil (MIL L7808G)	MIL-DTL-23053/15	
Tensile Strength	ASTM D638, ISO 37	2400 psi (16MPa)
Elongation	ASTM D638, ISO 37	600%
Diesel Fuel	MIL-DTL-23053/15	
Tensile Strength	ASTM D638, ISO 37	2100psi (14.5MPa)
Elongation	ASTM D638, ISO 37	600%
Corrosivity	ASTM D2671	Non-Corrosive
Water Absorption	ASTM D570	<0.1%
Fungus Resistance	ASTM G21	No Growth

## Dimensions

	STANDARD WIDTHS	EXPANDED		RECOVERED				600/1000V SINGLE CONDUCTOR SIZE	
		INTERNAL DIAMETER (MIN)		INTERNAL DIAMETER (MAX)		WALLTHICKNESS (NOM)			
		AA (BS) OBS (PCHES)	mm	D	IN	mm	d		IN
68212	15, 20, 30, 60, 90 (6, 8, 12, 24, 36)	30	1.2	6	0.24	2	0.8	#8-3/0	
68214	20, 30, 60, 90 (8, 12, 24, 36)	46	1.8	14	0.6	2	0.8	2/0-400	
68216	20, 30, 60, 90 (8, 12, 24, 36)	68	2.7	24	0.95	2	0.8	400-1000	
68218	20, 30, 60, 90 (8, 12, 24, 36)	91	3.6	33	1.3	2	0.8	1000-2000	
68220	20, 30, 60, 90 (8, 12, 24, 36)	126	4.95	47	1.65	2	0.8	Multiple Conductor	
68222	20, 30, 60, 90 (8, 12, 24, 36)	171	6.75	67	2.5	2	0.8	Multiple Conductor	

Standards: Meets insulation thickness specifications of ICEA and NEMA

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