

Cross Linked

	AVSX	AVSX	AVSX	AVSX	AVSX	AVSX
	CD-03435-2	56044-91	CD-02834	CD-02970A	CD-03245-1	CD-03579-1
Use: Insulation=I, Jacket=J	I	I	I	I	I	I
Temperature Rating (°C)	105	105	105	105	105	105
Specific gravity	1.32	1.32	1.25	1.28	1.3	1.26
Hardness (10 sec)	51D	90A	85A	84A	82A	75A
Tensile Strength psi	3640	3300	3090	2750	2,000 min	2820
Elongation %	250	350	380	360	300 min	395
Volume Resistivity @ 50°C (Ωcm)	10 x 10 ¹²	10 x 10 ¹²	2.0 x 10 ¹²	10 x 10 ¹²	10 x 10 ¹²	10 x 10 ¹²



Conduit

	NMC Jacket	NMC Jacket	SJTOW	NMC Jacket
	3295-77	3290-77	3290-70	57019-82
Use: Insulation=I, Jacket=J	J	J	J	J
Temperature Rating (°C)	105	80	75*	60
Specific gravity	1.24	1.24	1.24	1.39
Hardness (10 sec)	77A	77A	70A	82A
Tensile Strength psi	2470	2750	2590	2300
Elongation %	390	390	380	300
Brittleness temperature (°C)	-30	-40	-40	-25
Volume Resistivity @ 50°C (Ωcm)	NA	NA	NA	NA
Limiting Oxygen Index (%)	24	24	23	24
Flame Rating	FT-2	FT-2	FT-2	FT-2
Oil resistance	Yes	Yes	Yes	Yes
Sunlight Resistance	Yes	Yes	Yes	Yes
UL approval File #	NA	NA	130347 QMTT2	NA

Communication Wire

	CMP	CMR
	57048-95 FR	57050-89 FR
Use: Insulation=I, Jacket=J	I/J	J
Temperature Rating (°C)	75	75
Specific gravity	1.6	1.44
Hardness (10 sec)	95A	89A
Tensile Strength psi	2260	2660
Elongation %	185	305
Brittleness temperature (°C)	-9	-30
Dielectric Constant @ 1Khz	3.6	3.6
Limiting Oxygen Index (%)	40	32
Flame Rating	FT-6	FT-4, UL-1666
Oil resistance	NA	NA
Sunlight Resistance	NA	YES
UL approval	NA	NA

Electronic Equipment

	UL 1007 UL 1015 UL 1571	VW-1 type of IHV9845N	UL 10272
	IHV9845N	IHV9765N	IHV9851N
Use: Insulation=I, Jacket=J	I	I	I
Temperature Rating (°C)	105	105	105
Specific gravity	1.37	1.36	1.29
Hardness (10 sec)	90A	90A	63D
Tensile Strength psi	2970	3045	4640
Elongation %	290	260	305
Brittleness temperature (°C)	-15	-16	-8
Volume Resistivity @ 50°C (Ωcm)	5 x 10 ¹⁴	5 x 10 ¹⁴	6 x 10 ¹⁴
Limiting Oxygen Index (%)	24	32	26
Flame Rating	Horizontal flame	VW-1	
Oil resistance	Yes	Yes	Yes
Sunlight Resistance	NA	NA	NA
UL approval	NA	NA	NA

Military / Hook-Up

	Mil-Del-16878 D/1	Mil-Del-16878 D/1
	57049-90	57049A-80
Use: Insulation=I, Jacket=J	I	I
Temperature Rating (°C)	105	105
Specific gravity	1.32	1.3
Hardness (10 sec)	90A	80A
Tensile Strength psi	2890	2530
Elongation %	315	406
Brittleness temperature (°C)	-25	-30
Dielectric Constant @ 1Khz	1.5x 10 ¹³	1.4x 10 ¹³
Limiting Oxygen Index (%)	29	NA
Flame Rating	VW-1	VW-1
Oil resistance	NA	NA
Sunlight Resistance	NA	NA
UL approval	NA	NA

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