



THE DATASHEET OF
55A1812-22-9-4





CABLE CONSTRUCTION DETAILS

PART NUMBER	CONDUCTOR SIZE (AWG)	SHIELD SIZE (AWG)	JACKET THICKNESS (Inches)		OUTSIDE DIAMETER (Inches)		MAXIMUM WEIGHT (lb/1000 ft.)
			MINIMUM	NOMINAL	NOMINAL	MAXIMUM	
55A1812-26-*	26	38	.006	.008	.073	.078	5.8
55A1812-24-*	24	38	.006	.008	.078	.083	6.5
55A1812-22-*	22	38	.006	.008	.083	.088	7.8
55A1812-20-*	20	38	.006	.008	.091	.096	9.9
55A1812-18-*	18	38	.006	.008	.103	.108	13.3
55A1812-16-*	16	38	.006	.008	.110	.118	15.6
55A1812-14-*	14	38	.006	.008	.127	.133	21.7
55A1812-12-*	12	38	.006	.008	.144	.151	29.6
55A1812-10-*	10	38	.006	.008	.167	.175	43.2
55A1812-8-*	8	38	.007	.009	.230	.242	77.8

CABLE RATINGS AND ADDITIONAL REQUIREMENTS

TEMPERATURE RATING: 200°C

Maximum continuous conductor temperature

VOLTAGE RATING: 600 volts (rms)

ACCELERATED AGING: 300 ± 3°C for 7 hours

BLOCKING: 200 ± 3°C for 6 hours

DIELECTRIC WITHSTAND: 1500 volts, 60 Hz

FLAMMABILITY:

Procedure 1, 3 seconds (maximum); 3 in. (maximum);

no flaming of facial tissue

JACKET COLOR: White preferred

JACKET ELONGATION AND TENSILE STRENGTH:

Elongation, 50% (minimum)

Tensile Strength, 5000 lb/lin² (minimum)

JACKET FLAWS:

Spark Test, 1000 volts, 60 Hz (rms), 100% test

Impulse Dielectric Test, 6.0 kV (peak), 100% test

LIFE CYCLE: 230 ± 3°C for 500 hours

LOW TEMPERATURE-COLD BEND: -65 ± 3°C for 4 hours

THERMAL SHOCK: 300 ± 3°C for 6 hours

VOLTAGE WITHSTAND TEST: (After Accelerated Aging,

Immersion, Life Cycle, Low Temperature-Cold Bend

and Thermal Shock) 1000 volts, 60 Hz, 1 minute

PART NUMBER:

The * in the part numbers above shall be replaced by color code designators with a dash separating the component wire color from the jacket color.

Example: AWG 20, white component wire, white jacket:

55A1812-20-9-9

NOTE: Nominal values are for information only.
Nominal values are not requirements.

COLORS AND COLOR CODE DESIGNATORS SHALL BE IN ACCORDANCE WITH MIL-STD-881.

DIMENSIONS ARE IN INCHES, AND UNLESS OTHERWISE DESIGNATED ARE NOMINAL.

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