

KUWES WIRE & CABLE

DATA SHEET & TEST REPORT

ITEM NO.: NO. KS-8011-XLPE
COMMODITY: RG-174/U COAXIAL CABLE
UL STYLE NO. : UL 1354

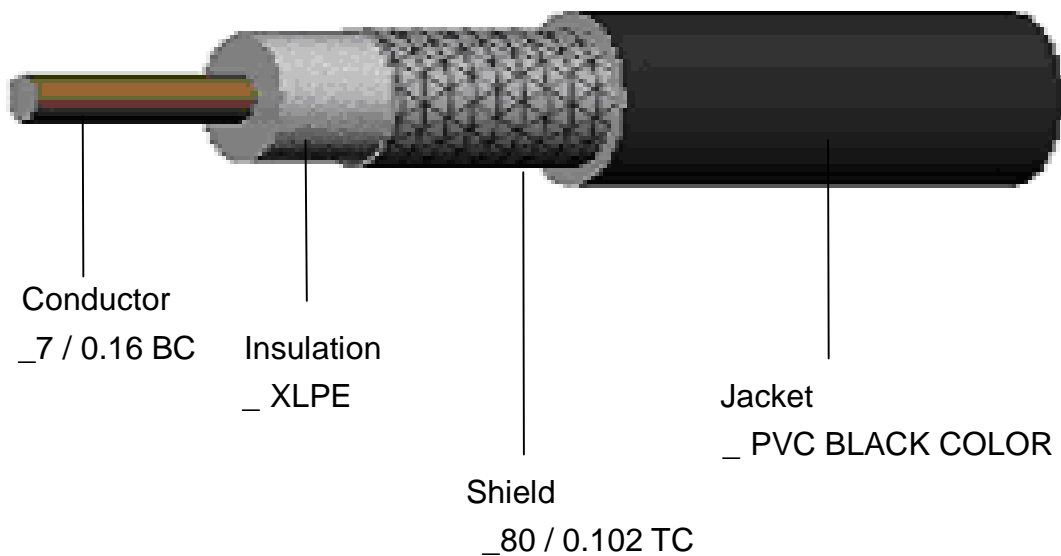
Test Item		Specification	
Conductor	Composition	7/0.16 ± 0.008 mm	
	Material	BARE COPPER	
Insulation	AVG. Thickness	REF. 0.52	mm
	Diameter	1.52 ± 0.05 mm	
	Material	XLPE	
Shield	Material	TINNED COPPER	
	Construction	80 / 0.102 mm ± 0.008 mm	
	Coverage	96 %	
Jacket	Material	PVC	
	Diameter	2.70 ± 0.10 mm	
	Color	BLACK	RoHS

ELECTRICAL & PHYSICAL PROPERTIES

Rating Temp	80°C
Rating Voltage	30V
Conductor Resistance	142 Ω / Km / 20 °C MAX.
Insulation Resistance	DC. 500V MIN. 100M Ω / Km / 20 °C MAX.
Dielectric Strength	1.5KV / 1 minute min.
Spark Test	3 KV
Impedance	50 ± 4 Ω / 10 MHz
Capacitance	100 ± 8 pf/M / 1KHz

INSULATION	UNAGED	TENSILE STRENGTH	1400 PSI MIN. (0.984kg/mm ²)
		ELONGATION	350 % MIN.
	AGED	TENSILE STRENGTH	UNAGED MIN. 70%(100 °C ×48HRS)
		ELONGATION	UNAGED MIN. 75%(100 °C ×48HRS)
JACKET	UNAGED	TENSILE STRENGTH	1500 PSI MIN. (1.05kg/mm ²)
		ELONGATION	100 % MIN.
	AGED	TENSILE STRENGTH	UNAGED MIN. 70% (113°C ×168HRS)
		ELONGATION	UNAGED MIN. 65% (113°C ×168HRS)
Attenuation	10 MHz	0.071	dB/1m (max.)
	100 MHz	0.250	dB/1m (max.)
	300 MHz	0.450	dB/1m (max.)
	900 MHz	0.830	dB/1m (max.)
	1.0 GHz	0.880	dB/1m (max.)
	1.8 GHz	1.230	dB/1m (max.)
	2.4 GHz	1.480	dB/1m (max.)

CONSTRUCTION DRAWING



Supervisor:

Inspect: