

CABLE SPECIFICATION

SY-M119021-B

RG-11, 90% STANDARD SHIELD, BLACK PVC UL1581, 305M POLYWOOD REEL

GENERAL

Inner conductor	Copper Covered Steel (21% CCS)
Dielectric	Foam PE
Outer conductor	AL/PET/AL bonded to Dielectric 90% Braid coverage, Al wire
Messenger wire	NA
Jacket	Black PVC, UV Resistance per UL1581 Flame retardant CMX per UL1581
Print	White ink, legible, cannot be wiped off by fingers
Packing	Red plastic caps on both ends. Film stretch wrapped, 305m one length per wooden reel

DIMENSIONS - (mm)

Inner conductor diameter	1.63
Foam dielectric diameter	7.11
Foil overlap	18 - 35%
Foil OD	7.32 ± 0.20
Braid wire OD	0.16
Diameter over jacket	10.03 ± 0.20
Messenger wire diameter	NA
Jacket wall thickness	0.95 nominal
305M Reel (D*d*H)	390*135*36
Reel arbor hole diameter	5 40
Pallet (L*W)	NA



PROPERTIES

Operating temperature	-20 °C to +°C			
Dielectric adhesion to conductor	70	15-40		
Messenger web separation force, LB	LB/2"			
Characteristic Impedance - Ohms	NA			
DC resistance inner conductor - Ohms/km	75 ± 3			
DC resistance shield conductor -Ohms/km	41			
Velocity of Propagation	16			
Return Loss, dB minimum 5-1000 MHz	82%			
Return Loss, dB minimum 1000-3000 MHz	20			
SHIELDING dB minimum 30-1000MHz	15			
SHIELDING dB minimum 1000-2000 MHz	85			
SHIELDING dB minimum 2000-3000MHz	75			
Attenuation, dB/100ft (dB/100m) nominal. @ 68°F (20°C):	65			
5 MHz 0.38 (1.25) 55	350 MHz 2.42 (7.94)	870 MHz 4.06 (13.31)	1700 MHz 5.81 (19.06)	
MHz 0.96 (3.15) 211	400 MHz 2.60 (8.53)	1000 MHz 4.35 (14.27)	1800 MHz 6.00 (19.69)	
MHz 1.90 (6.23) 250	450 MHz 2.75 (9.02)	1218 MHz 4.92 (16.08)	2000 MHz 6.37 (20.90)	
MHz 2.05 (6.72) 270	500 MHz 2.90 (9.51)	1300 MHz 5.01 (16.44)	2200 MHz 6.72 (22.05)	
MHz 2.13 (7.00) 300	550 MHz 3.04 (9.97)	1400 MHz 5.22 (17.13)	2500 MHz 7.22 (23.69)	
MHz 2.25 (7.38) 330	600 MHz 3.18 (10.43)	1500 MHz 5.42 (17.78)	2800 MHz 7.71 (25.30)	
MHz 2.35 (7.71)	750 MHz 3.65 (11.97)	1600 MHz 5.62 (18.44)	3000 MHz 8.02 (26.31)	

NOTES

- 1.The test report is required to cover all the test items which are listed in above.
2. Cable and packaging are RoHS Compliant by "EU Directive 2015/863 Amending Annex II to Directive 2011/65/EU"
- 3.Warranty: 3 years.