

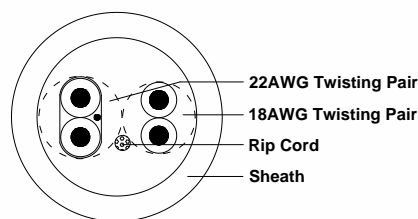
Part No: RW610222/18BK

Description	[(7/0.25TC x 1P + Foam PE + Drain Wire + Al. Foil) + (16/0.25TCx 1P + PVC Insulation)] + Rip Cord + PVC Sheath 6.7mm
Applicable Standards	N/A
Suitable Applications	For signal transmission & low voltage connection.

Cable Construction Drawing



Cable Construction Relative Parts



Cable Description

22AWG Twisting Pair

Conductor 7/0.25+/-0.006TC

Insulation Pair: 1
Material: Foam PE
Colour: Blue, White
Min. Thickness 0.50mm / Nom. Thickness 0.60mm / Nom. O.D 2.05+/-0.1mm

Drain Wire 7/0.2+/-0.006TC

Screen Al. Foil 100% Coverage

18AWG Twisting Pair

Conductor 16/0.25+/-0.006TC

Insulation Pair: 1
Material: PVC
Colour: Red, Black
Min. Thickness 0.26mm / Nom. Thickness 0.30mm / Nom. O.D 1.85+/-0.1mm

Filler	Rip Cord
Sheath	Material: PVC / Colour: Black
	Min. Thickness 0.80mm / Nom. Thickness 1.0mm / Nom. Sheath O.D 6.7+/-0.2mm
	Spark Voltage: 3000V a.c
Electrical Properties	
22AWG Twisting Pair	
Conductor Max D.C Resistance	55.1 ohm/km 20°C
Characteristic Impedance	100 ohm
Nom. Mutual Capacitance	46 pF/m @ 1KHz
Voltage Test: Core to Core	1000V a.c/1min
Voltage Test: Core to Screen	1000V a.c/1min
18AWG Twisting Pair	
Conductor Max D.C Resistance	24.1 ohm/km 20°C
Nom. Mutual Capacitance	96 pF/m @ 1KHz
Voltage Test: Core to Core	1000V a.c/1min
Physical Properties	
18AWG Twisting Pair	
Insulation Elongation	100%
Insulation Tensile Strength	13 N/mm ²
Sheath Elongation	100%
Sheath Tensile Strength	12 N/mm ²
Mechanical Properties	
Operating Temperature Range	-15 to 70°C
Max. Recommended Pulling Tension	158N
Min. Bend Radius (install)	67mm
Approximate Mass	6.25kg/100m
Sheath Printing	ROADWORX RW610222/18 CONTROL CABLE 1 PAIR (meter marking)

Supply Information

Pack Size	Pack Type	Dimensions	Qty Per Pack	Qty Per Pallet
300m	Wooden Reel	W33 x H21.8cm	1R	
Document Change Record	Issue	Date	Prepared by	Approved By
	Sales	30-03-2013	LLS	Pent
Change History	Issue	Change		