

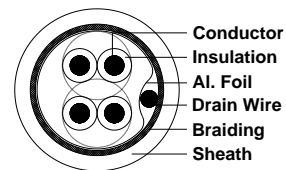
Part No: RW600224BK

Description	7/0.203TC x 2P + Foam PE Insulation + Al. Foil + Drain Wire + 160/0.12TC Braid + PVC Sheath Ø8.5mm
Applicable Standards	Reference to Belden 9842, AS/CA S008, IEC 60332-1-2
Suitable Applications	Data transmission, Fixed or portable installations EIA RS-485. *Not suitable for mains connection.

Cable Construction Drawing



Cable Construction Relative Parts



Cable Description	
Conductor	7/0.203+/-0.006TC
Insulation	Pair: 2 Material: Foam PE Colour: White/Blue, White/Orange Min. Thickness 0.47mm / Nom. Thickness ≥0.55mm / Nom. O.D 1.77+/-0.1mm
Screen	Al. Foil 100% Coverage
Drain Wire	7/0.203+/-0.006TC
Braiding	16/10/0.12+/-0.006mmTC / Nom. O.D ~6.0mm Coverage 90%
Sheath	Material: PVC / Colour: Black Min. Thickness 1.02mm / Nom. Thickness ≥1.2mm / Nom. Sheath O.D 8.5+/-0.2mm Spark Voltage: 3000V a.c

Electrical Properties

Voltage Rating	300V
Max. Conductor DC Resistance @ 20°C	97.1Ω/km
Min. Insulation Resistance @ 20°C	1000MΩ.km
Characteristic Impedance	120±15Ω
Nom. Capacitance Cond. to Cond.	50pF/m
Voltage Test: core to core	1.5kV ac/1min
Voltage Test: core to sheath	3.0kV ac/1min
Voltage Test: shield to sheath	3.0kV ac/1min

Physical Properties

Sheath Elongation	≥100%
Sheath Tensile Strength	≥12 N/mm ²

Mechanical Properties

Operating Temperature Range	-15 to 80°C
Max. Recommended Pulling Tension	206N
Min. Bend Radius (install)	51mm
Approximate Mass	8.6kg/100m
Sheath Printing	ROADWORX RW600224 DMX / RS485 Control Cable, 2 Pair, 24AWG (meter marking) – batch # - MT

Supply Information

Pack Size	Pack Type	Dimensions	Qty Per Pack	Qty Per Pallet
RW600224BK100	Wooden Reel	W33 x H21.8cm	1R	
RW600224BK500	Wooden Reel	W52 x H27.4cm	TBA	TBA

Document Change Record	Issue	Date	Prepared by	Approved By
	Sales		30-03-2013	LLS
Change History	02	31-03-2023	WDM	LQM
	03	17-04-2023	WDM	LQM
	04	05-10-2023	WDM	LQM