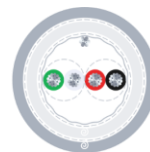


VIA-COMP-004-OSP-GY

 2 x 2 x 22AWG RS485 Pair Collectively Screened Security
 Cable with Dual Sheath & Water Blocking Tape

Document Information

Design Type	VIA-COMP-004-OSP-GY
Drawing Number	LCM230201E-V1
Date	01/02/2023
Design	1 of 1

Cable Construction

22 AWG Stranded Tinned Annealed Copper Conductor
 (19/0.15mm)

Extruded PE Insulation
 (Polyethylene)

2 x 22AWG Cores twisted together to form an RS485 Pair

2 x RS485 Pairs laid up
 Collectively Screened with Aluminium/Polyester tape laid conductive side in contact with Tinned Annealed Copper Drain Wire

Barrier Tape
 Woven Fibre Taping

Easy-Strip Ripcord
 To aid stripping whilst avoiding damage to the inner components

Extruded LSZH Inner Sheath
 (Low Smoke Zero Halogen to BS 7655 LTS1-4, IEC 60092 SHF1, EN 50363 TM7)

Water Blocking Tape
 For added moisture and water resilience

Easy-Strip Ripcord
 To aid stripping whilst avoiding damage to the inner components

Extruded LSZH Outer Sheath
 (Low Smoke Zero Halogen to BS 7655 LTS1-4, IEC 60092 SHF1, EN 50363 TM7)

Properties & Standards

Electrical		
Voltage	300	V
Maximum Conductor Resistance @20°C	59	Ω/km
Nominal Impedance	120	Ω
Nominal Mutual Capacitance	40	pF/m
Maximum L/R ratio	25	μH/Ω

Fire Performance	
Flame Retardance	IEC 60332-1-2
Halogen Gas Content	IEC 60754-1
Gas Acidity	IEC 60754-2
Smoke Emission	IEC 61034
CPR Classification	Cca Indicative

Properties and Standards may be indicative prior to manufacture and testing.

Nominal Dimensions

Conductor Gauge	22	AWG
Conductor Stranding	19/0.15	mm
Nominal Insulation Diameter	2.25	mm
Nominal Inner Sheath Diameter	9.33	mm
Nominal Outer Sheath Diameter	10.33	mm

Dimensions are theoretical nominals calculated prior to manufacture.

Colours & Identification

Pair Identification	Inner Sheath Colour
1 x Red/Black Pair	Natural
1 x Green/White Pair	
	Outer Sheath Colour
	Grey
	Print Legend
	VIA-COMP-004-OSP-GY [REF NO] [YEAR] CE +
	Metre Mark