

#4105 - Fullaxs - 4x2x22AWG Screen LSZH Jacket Indr/Outdr



RG Wire & Cable Ltd
67 Cavendish Way
Glenrothes KY6 2SB
Scotland
Tel: +44 1592 775800
Fax: +44 1592 775822

Part NO: #4105
Product Code: RGW-1834

Reference Standard

Category 5e for Indoor & Outdoor Applications

Multi-construction

4 Pair

Cable Construction

Conductor	Tinned Copper
Construction	T0.235 × 7
Standard Dia.(mm)	0.76 (Nom)
Insulation	Foam PE
Thickness	0.22
Insulation Dia.(mm)	1.3 + 0/ - 0.05 x 2C Twist
Insulation Color	Wht/ Bl, Wht/grn, Wht/brn, Wht/or
Each pair is twist , unshielded	
Al-Pet Shield	≥115%
Braiding	Tinned Copper
Construction	T0.10±0.005x24x8
Jacket	LSZH - UV Res
Thickness(mm)	1.1
Dia.(±0.20mm)	7.6
Jacket Color	Black

Marking

RG Wire & Cable #4105 4 Pr 22 AWG PoE Screened 80 C 300V[MM]

PACKAGING

440M/Wooden Drum

RoHS GUIDELINE

We operate according to the following standards

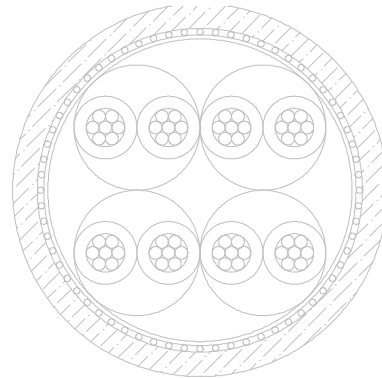
Control Item	Standard	Testing Method	Testing Equipment
Cadmium content (Cd)	<0.01%	EN1122	ICP-AES
Lead content (Pb)	<0.1%	EPA3050B	ICP-AES
Mercury content (Hg)	<0.1%	EPA3052	ICP-AES
Chromium (VI) content	<0.1%	EPA3060(UN-VIS)	ICP-AES
Polybrominated Biphenyls (PBB)	Forbidden	GC/MS	
Polybrominated Diphenyl Ether (PBDE)	Forbidden	GC/MC	

Revision History

rev 6

Insulation OD 1.3mm Max

Design



A: Electrical Characteristics

Max.Conductor DC Resistance at 20°C (Ω /Km)	<58.5
Min.Insulation DC Resistance at 20°C (MΩ *Km)	>200
Rated Temperature(°C)	-40 to 80
Rated Voltage (V)	300
Characteristic Impedance 1-100MHz(Ω)	100±10
Screen Resistance (Nom)	12 Ohm/Km
Min. Dielectric Strength	
Cond-Cond.	2.5kV DC 2 sec
Cond-shield	2.5kV DC 2 sec
Attenuation 1 - 100 MHz (Max)	0.032 x L x vf+1
Return Loss 1 ≤ f < 2	Min 20 dB
2 ≤ f < 10	Min 25 dB
10 ≤ f < 20	Min 20 dB
20 ≤ f < 100	Min 15 dB
NEXT 1 - 100MHz	Min 62- (15 x Log(f)) dB
ELFEXT 1 - 100MHz	Min 61- (20 x Log(f)) dB
Unbalanced	
Attenuation 1 - 100MHz	Min 40- (10 x Log(f)) dB
Screening	
Attenuation Min	40 dB
Fire Properties	IEC 60332-1 UL 1581 VW-1
Acid Gas Emissions	IEC 60754-2
Smoke Emissions	IEC61034-2
Material Performance Aging	EN 50290-2-27
Halogen Free	IEC 60754-2
Bending Radius	6 x OD mm
Storage Temp. Range(Packaged)	-40C to + 70C
Storage Rel. Humidity(Packaged)	10-100%
UV Resistance	UL 1581 Clause 1200

f = Frequency in MHz

Date: 2012-12-07

Page: 1 / 1