

#6290 - 6x2x0.5 100 Ohm Multipair Cable (UL1666 CMR)



RG Wire & Cable Ltd

67 Cavendish Way
Glenrothes KY15 6SB
Scotland
Tel: +44 1592 775800
Fax: +44 1592 775822

#6290 - 6-pair 100Ω cable (UL1666)

Product Description

Application:

Cable Construction

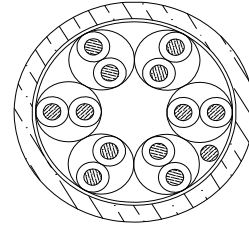
1 Conductor	Bare copper
Nom. diameter (mm)	0.50
2 Insulation	PVC
Nom. thickness (mm)	0.22
Nom. diameter (mm)	0.93×2C Twist
Color	See Table 1
3 Drain wire	Tinned copper
Diameter (mm)	0.50
4 Al-Pet-Al shield	≥115%
5 Jacket	CMR PVC
Nom. thickness (mm)	0.80
Nom. diameter (mm)	6.40
Color	Grey (RAL 7032)
6 Marking	RG Wire & Cable #6290 E478021 (UL) CMR
(Black ink, once/meter)	6-PAIR 24 AWG 75C YYWW [xxxM]

Packaging

500m/wooden drum

Environmental Compliance

- CE: EU Directive 2011/65/EU(RoHS2):
This product complies with European Directive 2011/65/EU (RoHS Directive) of the European Parliament and of the Council of 8 June 2011. No exemptions are required for RoHS compliance on this item.
- REACH Regulation (EC 1907/2006):
This product does not contain Substances of Very High Concern (SVHC) listed on the European Union's REACH candidate list in excess of 0.1% mass of the item.



(RGW-2686-4)

General Characteristics

Temperature rating (°C) - during installing	0~+50
Temperature rating (°C) - fixed installing and storage	-20~+70
Min. static bending radius (mm)	10x cable diameter
Min. dynamic bending radius (mm)	15x cable diameter
Nom. weight (kg/km)	
Flammability (Single Cable)	IEC 60332-1 and NFC 32-070 Category C2
Riser Test (CMR)	UL 1666

Electrical Characteristics

Loop resistance at 20°C (Ω/km)	≤192
Insulation Resistance at 200V (conductor/unity) (MΩ)	>500
Dielectric strength (cconductor/screen)	>1500V
Capacitance at 800Hz	≤400pF/500m
Characteristic impedance at 700kHz (Ω)	100±30
Capacitance Unbalance at 800Hz	<400pF/500m
Near end crosstalk at 700kHz	≥44dB
Attenuation at 20°C at 700kHz	≤27dB/km
Attenuation at 20°C at 700kHz (for 2/2)	≤32dB/km

Table 1

Pair	A	B	Binder	Pair	A	B	Binder
1	Light Blue	White	Group A White	17	Orange	Yellow	Group C Brown
2	Light Blue	Dark Blue		18	Orange	Brown	
3	Light Blue	Yellow		19	Orange	Black	
4	Light Blue	Brown		20	Orange	Red	
5	Light Blue	Black		21	Orange	Green	
6	Light Blue	Red		22	Violet	White	
7	Light Blue	Green		23	Violet	Dark Blue	
8	Grey	White		24	Violet	Yellow	
9	Grey	Dark Blue	Group B Yellow	25	Violet	Brown	Group D Blue
10	Grey	Yellow		26	Violet	Black	
11	Grey	Brown		27	Violet	Red	
12	Grey	Black		28	Violet	Green	
13	Grey	Red		29	White	Light Blue	
14	Grey	Green		30	White	Grey	
15	Orange	White		31	White	Orange	
16	Orange	Dark Blue		32	White	Voilet	

Reference

Customer part number 1820013-1 Rev A dated 2004/12/10

CV	Notes	D	R	Date
A01	First release	CC	AZ	2017-06-29