

#4086 - 26 AWG Halogen Free Screened Symmetrical Cable



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

Part NO: 4086

Product Code: RGW-1790-4 - Ericsson TFL 301 6010/004 rev E

Product Description

Application:

Symmetrical Cable for Indoor Use

Reference Standard

EIA/TIA 568A&ISO/IEC 11801, TFL 301 6010/004 Rev E

Multi-construction

4 Pair

Cable Construction

Conductor	Tinned Copper
AWG	26
Construction	0.16±0.008×7
Standard Dia.(mm)	0.48
Insulation	PE
Average Thickness	0.23
Insulation Dia.(±0.08mm)	0.94
Each Pair is Twisted ,Unshielded.	
Mylar spiral	>=125%
Al-Pet shield- Alum Out(0.03mm)	>=125%
Braiding Shield	Tinned copper
Construction	T0.10±0.008×16×6
Coverage	60%
Jacket	LSZH
Thickness(mm)	0.6
Dia.(±0.50mm)	5.80
Color	Grey (RAL7001)

Insulation colours:

1, white/blue & blue	2, white/brown & orange
3, white/green & green	4, white/brown & brown

Marking

RG Wire & Cable #4086 WWYY CA4 E478021 (UL) CMR 4 Pr 26AWG 75C [MeterMark]

PACKAGING

500M/Wooden Drum	
Stripe Force of Insulation	Min 2 N Max 25 N
Bending radius(installed)	25mm

RoHS GUIDELINE

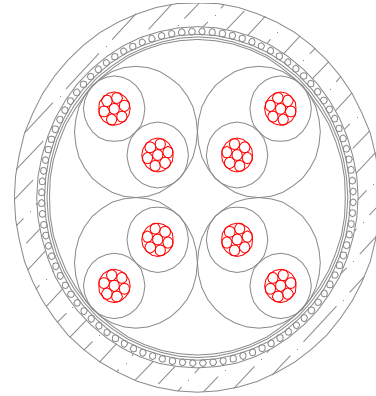
We operate according to the following standards

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

Rev6 - update UL file number and insulation color 2017-02-14

Design



Characteristics

Max.Conductor DC Resistance at 20°C (Ω /Km)	<130
Rated Temperature(°C)	-40 to +80
Mutual Capacitance(pF/M)	57
Capacitance Unbalance (pF/500m)	150
Min.Insulation DC Resistance at 20°C (MΩ *Km)	5000
Dielectric Strength	2500 Vdc for 2seconds
Resistance Unbalance	2% Max
Resistance Screen mOhm/m	30
Transfer Impedance (mOhm/m @ 30MHz)	30

Performance

Frequency (MHz)	Attenuation (dB/100m)	Impedance (Ohms)
	max	
1.000	3.20	100±15
4.00	6.0	100±15
10.00	9.5	100±15
16.00	12.1	100±15
31.20	17.1	100±15
62.50	24.8	100±15
100.00	32.0	100±15
125.00	36.2	100±15

Return Loss (Min dB)

4 - 10 Mhz	Min 20+5*log ₁₀ (f/fo)
10 - 20 Mhz	25
20 - 125 Mhz	Min 25-8.6*log ₁₀ (f/fo*20)
Unbalanced Attenuation LCL 1`-100 MHz	Min 40-10*log ₁₀ (f/fo)
NEXT 1 - 125MHz	Min 62-15*log(f/fo)
ELFEXT 1 - 125MHz	61-20*log(f/fo)

Fire Properties

UL 1666 CMR
IEC 60332-3C

UL Compliance

UL 444

Amount of acid Halogen Gas

IEC 60754-2