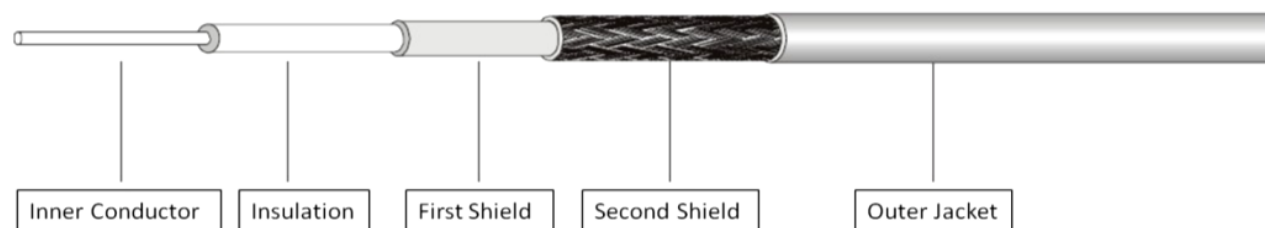


240 Low Loss Cable

P/N: KM-0214-02

I Structure and Description



NO.	Construction	Material	Diameter (mm)
1	Inner Conductor	Bare Copper	1.42±0.02mm
2	Insulation	Foam PE	3.81±0.15mm
3	First Shield	Unbonded Aluminum (AL/ PET/ AL)	/
4	Second Shield	Tinned Copper Braid	16×6×0.12mm Nom. 4.50mm
5	Jacket	Black PVC	6.10±0.20mm (Min thickness: 0.65mm)

II Mechanical and Physical Characteristics

NO.	Parameter	Value
1	Reference Weight	Nom. 55kg/km
2	Max Tensile force	363N
3	Flat Plate Crush Resistance	3.6N/mm
4	Min. Bending Radius	Single: 19.1mm; Repeated: 63.5mm
5	Fire Protection Requirements	IEC60332-1
6	2011/65/EU (RoHS)	Compliant

III Application environment

NO.	Parameter	Value
1	Min. Installation Temperature	-20 °C
2	Storage Temperature	-25 °C ~ 70 °C
3	Operating Temperature	-25 °C ~ 70 °C

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IV Electrical Characteristics

NO.	Parameter	Value
1	Max. Operating Voltage (V DC)	1500
2	Insulation Resistivity (MΩ.km @ 20 °C)	≥5000
3	Dielectric Strength (1 minute, V DC)	1500 (No Crack)
4	Characteristic Impedance	50±2Ω
5	Mutual Capacitance (reference)	N/A
6	Relative Propagation Velocity (Typical)	84%
7	Peak Power Rating	5.6kW
8	Return Loss (VSWR)	DC~3000MHz ≤ 1.25
9	Certification	Comply with 2006/95/EC (LVD)

V Attenuation at 20°C cable temperature

NO.	Frequency (MHz)	Maximum Attenuation (dB/100m)
1	150	11.2
2	220	13.7
3	450	19.5
4	700	24.4
5	750	25.5
6	800	26.3
7	900	28.1
8	1500	36.7
9	1800	40.4
10	2000	42.6
11	2500	47.7
12	3000	52.6
13	3600	58.6
14	5800	75.5