

FHLR2G2GCB2G 2 x 6,00 / T180

DESCRIPTION:

Power cables with improved heat resistance.

APPLICATION:

Shielded cable for automotive electric powertrain

PROPERTIES:

Tight installation space

High power transmission between HV battery, power electronics and engine/generation.

Shielding against EMI caused by the power electronics

CONSTRUCTION:

Conductor

Cu –ETP 1 according to DIN EN 13602, stranded bare copper

Insulation

Silicon Rubber (SIR) - Operating temperature -40°C to 180 °C, (3000 h), Color: 1- Red 2-Black

Stranding

Lay length 100 +/-10 mm

Inner sheath

Silicon Rubber (SIR) - Operating temperature -40°C to 180 °C, (3000 h), Color: Nature

Braiding screen

Tinned copper, max. 0.16 mm, optical covering min.: 85%

Foiled shielding

ALU- PET foil, Metal side in contact to screen overload min. 20%

Sheath

Silicon Rubber (SIR) - Operating temperature -40°C to 180 °C, (3000 h), Color: Orange similar RAL 2003

Marking, outer sheath is printed:

CONDUMEX FHLR2G2GCB2G 2x6 mm² ⚡ ATTENTION HIGH VOLTAGE MAX 600 V AC 1000 V DC ⚡

MECHANICAL PROPERTIES:

Bend radius fixed installation: min. 4 x cable diameter

Bend radius unfixed installation min. 8 x cable diameter

STANDARDS

LV 216-2, VW 75210-2, ISO 6722, VW N 108 041

CONDUCTOR				INSULATION		INNER SHEATH		SHIELDING	SHEATH	
Nr. cores x cross section	Nr. individual wires	D max. individual wires	Resistance 20°C max.	Min. wall thickness	Outside Diam.	Outside Diam.	Minimum wall thickness	Resistance 20°C max	Minimum wall thickness	Outside diam.
mm ²	mm	mm	Ω/km	mm	Min-max mm	Min-max mm	mm	Ω/km	mm	Min-max mm
2 x 6,00	84	0,31	3,14	0,28	4,00-4,30	9,30-9,70	0,38	6,4	0,82	12,2-12,8