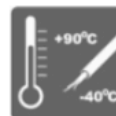
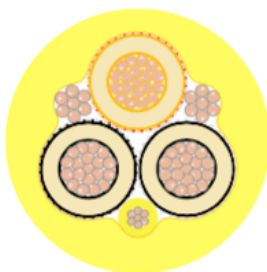


Round portable power cable

Mining grade



CONSTRUCTION

Conductors	Soft drawn extra flexible stranded tinned copper wires
Conductor shield	Semi-conducting layer over the conductor
Insulation	Ethylene-propylene rubber (EPR)
Insulation shield	Semi-conducting tape + composite tinned copper/polyamide braid. Covering minimum 60%.
Circuit identification	The polyamide in the shielding braid is coloured black, white, red
Grounding	Soft drawn extra flexible stranded tinned copper wires
Ground check	Yellow TPE-E insulated soft drawn extra flexible stranded tinned copper wires
Assembly	Three power, ground check and two non-insulated grounding conductors cabled together to form a round cable core
Separator	A single faced rubber filled binder tape applied over core
Outer jacket	Extra heavy duty, integral-filled, TPU jacket
Colour of outer jacket	Yellow
Minimum bending radius	Eight times overall diameter of the cable

FEATURES

- Excellent flexibility
- Highly ozone, sun, weather and flame resistant
- Rated and flexible at -40°C
- Excellent impact and abrasion resistant
- Oil and heat resistant
- Inkjet printed for easy identification

APPLICATIONS

- Use on AC off track equipment such as long wall miners loaders, drills, shovels, conveyors, pumps and mobile equipment requiring grounding conductors and a ground check conductor and metallic shielding overall.
- Other industrial, mining applications

APPROVALS

- MSHA: P-07-KA120001

Standard length cable packing	1000ft on drums. Other forms of packing and delivery are available on request
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Selection Data

Sap Code	Cond. Size	Cond. Strand	Cond. Size		Nominal Insulation Thickness		Nominal Jacket Thickness		Approx. O.D.		Approx. Weight		Maximum Tensile Force
			GRD	GC									
	AWG/MCM		AWG		Inches	mm	Inches	mm	Inches	mm	Lbs./1000ft.	kg/km	N
G-141629	4/0	814x0.4	1	4	0.150	3.81	0.250	6.35	2.68	68.1	5083	7565	4800

Electrical parameters

Power-Grounding Conductor Size	Power Conductor Resistance at 25 °C	Grounding Conductor Resistance at 25°C	Ground-check Conductor Resistance at 25°C	Inductance per unit length	Operating Capacitance per unit length	Permissible short-circuit Current (1s) (2)	Ampacity(1) 40°C Ambient Temp
AWG/MCM	Ω/1000Ft	Ω/1000Ft	Ω/1000Ft	mH/1000Ft	μF/1000Ft	kA	A
4/0	0,0546	0,137	0,274	0,094	0,16	15,30	321

(1) Ampacity –Based on continuous duty at 90°C conductor temperature

(2) Short-circuit current (1s) – Based on conductor temperature from 90 °C up to 250 °C

STANDARD PRINT LEGEND:

TF CABLE (VOLTAGE)(SIZE) TYPE SHD-GC FT1 FT5 (-40 °C) +90 °C P-07-KA120001-MSHA

SPECIAL FACTORY OPTIONS

Jacket : Other colors available

MSHA : P-07- KA120001 (TPU)