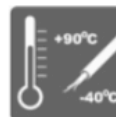
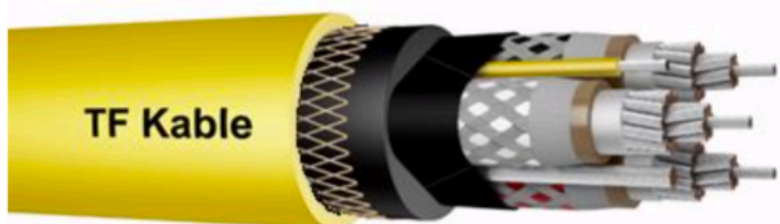


Round portable power cable
Mining grade



CONSTRUCTION

Conductors	Soft drawn extra flexible stranded tinned copper wires
Conductor shield	Semi-conducting tape + semi-conducting layer over the conductor
Insulation	Ethylene-propylene rubber (EPR).
Insulation shield	Semi-conducting bedding 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, high torsion resistant, integral-filled, reinforced poly-chloroprene (CR) thermosetting 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
- Indent 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-KA060012

Standard length cable packing

1000ft on drums. Other forms of packing and delivery are available on request

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	N x m [mm]	AWG		Inches	mm	Inches	mm	Inches	mm	Lbs./1000ft.	kg/km	N
G-141641	4/0	814x0.4	1	4	0.150	3.81	0.250	6.35	2.64	66.9	5353	7965	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	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-KA060012-MSHA

SPECIAL FACTORY OPTIONS

Jacket : Other colors available

Jacket : TPU jacket available

MSHA : P-07-KA030001 (TPU)