

PAYTON TPU (SHD-G-GC Type)

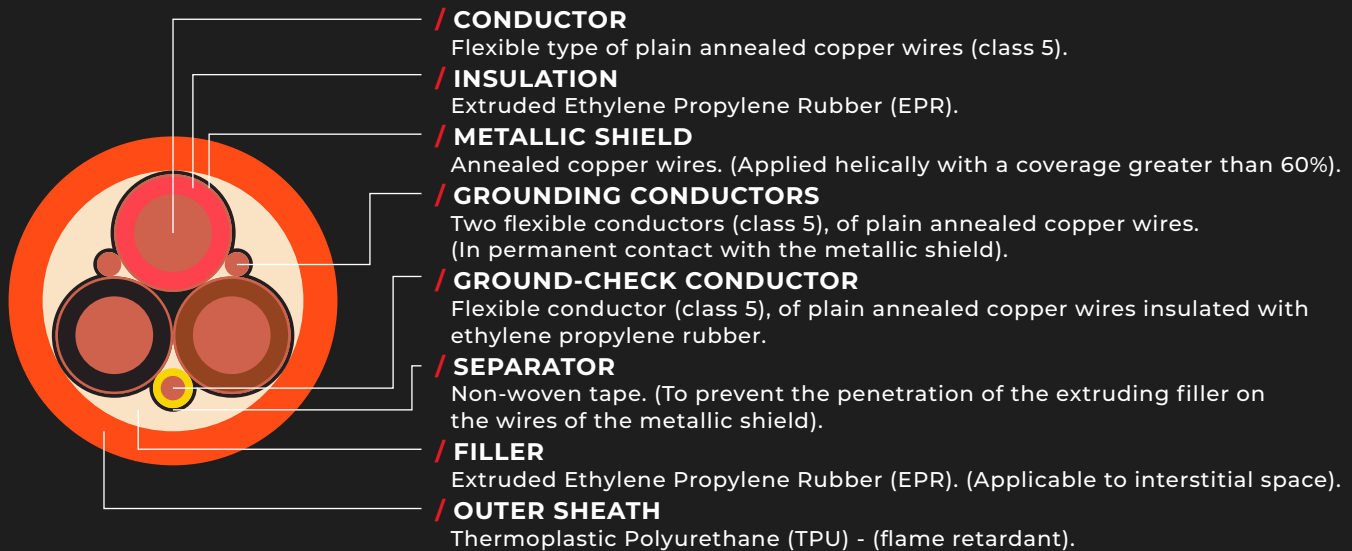
Portable power cable for use in mines



GENERALITIES

Heavy-duty portable power cable, mainly designed to be used as a trailer in AC mining equipment, such as drills, conveyors, dredges, shovels, pumps and mobile equipment, where a ground-check conductor is required for fail-safe monitoring, also grounding conductors to avoid induced voltages in the grounding system, and where metallic shielding is required.

CABLE DESIGN



APPROVALS
ICEA S-75-381

KEY PERFORMANCE ATTRIBUTES

- / Extra flexible for easy handling
- / High mechanical resistance
- / Excellent dielectric properties
- / Wide temperature range of continuous operation (-40°C to +90°C)
- / Good chemical exposure resistance
- / Flame retardant

TECHNICAL DATA - Voltage level = 2kV

Phase Conductors									Electrical Resistance		Ampacity (90°C conductor)
Area (nominal) mm ²	Diameter (approx) mm	Insulation Thickness (nominal) mm	Grounding Conductors Area (nominal) mm ²	Ground-check Conductor Area (nominal) mm	Outer Sheath Thickness (nominal) mm	Cable Diameter (approx) mm	Nominal Weight (approx) kg/km	Bending Radius during installation (minimum) mm	DC (20°C) (maximum) Ω/km	AC (90°C) (maximum) Ω/km	in air (40°C) (maximum) A
50	9.90	2.03	25	10	4.80	42.5	3207	255	0.386	0.492	198
70	10.92	2.03	35	10	5.20	45.5	4036	273	0.272	0.347	252
95	12.37	2.03	35	10	5.20	48.7	4845	292	0.206	0.264	298
120	14.85	2.41	50	10	5.60	56.4	6245	339	0.161	0.206	335
150	15.87	2.41	50	10	5.60	58.6	7441	352	0.129	0.165	393
185	17.32	2.41	70	10	6.00	62.6	8625	375	0.106	0.136	455
240	20.18	2.41	95	10	6.00	69.5	11062	417	0.0801	0.104	515