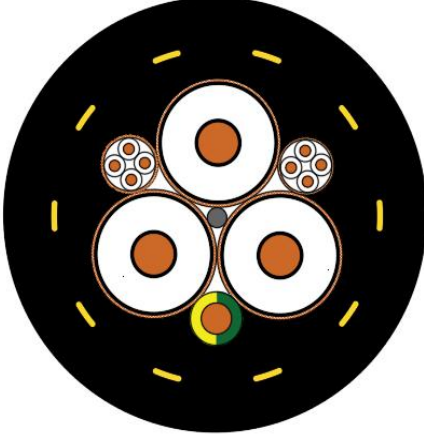


Product Specification Book

No: GGS20240521001A

product name	Special cable	Model specifications	Type (N)TSCGEWOEU Mining Power Cable 10KV 3*50+1*25+8*2.5 SQMM
Schematic			
conductor	Material/Construction	Complies with IEC60228 class 5 tinned copper conductor structure	
	Wrapping material	50mm main wire wrapped with semi-conductive tape	
Insulation	Material	Main wire: medium voltage EPDM insulated Ground wire/control wire: EPDM insulated	
	Insulation color	WHITE YELLOW GREEN	
	Average thickness of insulation $\geq$	4.5 mm	1.4 mm 1.0 mm
	Thickness of the thinnest point of insulation $\geq$	3.95 mm	1.16 mm 0.80 mm
Semiconducting	Material/Method	Semiconducting tape wrapped around main wire	
	Material/Method	Braided tinned copper wire on main wire	
	Material/Method	4-core 2.5SQMM right cable, pitch 10 times (divided into two groups)	
	Material/Method	Control wire core into cable braided tinned copper wire	
Isolation	Material/Method	All shielding layers are wrapped with non-woven fabric	
	Cabling method/pitch	4 cores + two sets of right-facing cables, pitch 10-12 times	
	Filling/wrapping	No filling, no wrapping	
Inner sheath	Material	Black CPE sheath	
tensile layer	Material/Method	Kevlar braid	
Outer sheath	Material	Black CPE sheath	
	Average thickness of sheath $\geq$	3.0 mm	
	Thickness of the thinnest point of insulation $\geq$	2.45 mm	
	Approximate outer diameter of finished product	$\approx$ 55.0 mm	
Electrical Properties	Conductor resistance 20°C	$\leq$ 0.393 Ω /km 0.795 Ω /km 8.21 Ω /km	
	Withstand voltage test	21kV/5min passes without breakdown	