

TYPE 41

RUBBER
CABLE

FLEXIBLE COPPER SCREENED MINING CABLE



PROPERTIES

Nominal Voltage:	640/1100V
Temperature Rating:	-25°C to +90°C
Min. Bending Radius:	6 x ODmax

APPLICATION

Type 41 has a wide operating range, suitable for mining operations around the world. The cables is suitable for permanent use in waste water and in industrial water up to 40°C at a depth of max. 2000 m. Typical applications include electrically driven machines, any movable electric apparatus in hazardous area, small pumps, drills and for shuttle cars.

CONSTRUCTION

Conductor:	Flexible class 5 comply to SANS 1411 - 1 from tinned annealed copper wires left lay
Insulation:	Ethylene propylene thermosetting compound type RD 3 comply to SANS 1411-3
Configuration:	Three tinned copper/nylon braid screened power cores and one unscreened pilot core laid up in the right hand lay around rubber (RD1) filler center
Inner Sheath:	Thermosetting compound type RS 6 comply to SANS 1411-3
Screen:	Open nylon brain
Outer Sheath:	Thermosetting compound type RS 6 comply to SANS 1411-3
Sheath Colour:	Black

STANDARDS

» SANS 1520-1



PACKAGING

Sold in full drums or cut to specification

Power Cores				Pilot Cores		
Conductor Size	Max. Wire Diam.	Max. Screen Wire Diam.	Braided screen filling factor	Conductor Size	Cable Diam.	Cable weight approx.
(mm ²)	(mm)	(mm)	%	(mm ²)	(Mm %5)	(kg/ km)
2.5	0.26	0.21	80	2.5	21.00	720
4	0.31	0.21	80	4	26.00	910
6	0.31	0.21	80	6	27.00	1110
10	0.41	0.31	80	10	30.00	1575
16	0.41	0.31	80	16	34.50	2125
25	0.41	0.31	80	16	40.00	2735