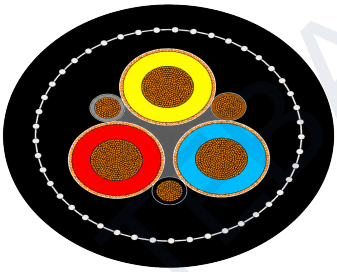
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

SANS TYPE 61A TRAILING CABLE

640/1100 V heavy-duty flexible trailing cable



APPLICATION

Connection cable for portable electrical equipment and machinery, including equipment used in hazardous areas. Suitable for reeling and non-reeling applications in mining and industrial service.

CONSTRUCTION

Parameter	Value
Conductor	Class 5 flexible stranded tinned annealed copper
Insulation	EPR ethylene propylene rubber thermosetting compound
Braid	Nylon / tinned copper wires
Pilot core	Insulated pilot core incorporated in the cable lay-up
Lay	Three tinned copper / nylon braid screened power cores and one unscreened pilot core laid up around a rubber filler centre
Inner sheath	CR polychloroprene rubber
Reinforcement braid	Open nylon braid, minimum 16 strings
Outer sheath	TPU thermoplastic polyurethane
Sheath colour	Black or transparent with orange silver reflective tape under sheath

CABLE CHARACTERISTICS

Parameter	Value
Standard	SANS 1520-1; SANS 1411-1; SANS 1411-3; ICEA S-75-381 Tab. 3-3
Rated voltage	640/1100 V
Temperature rating	-25 deg C to +90 deg C
Minimum bending radius	6 x overall diameter
Performance	UV resistant, ozone resistant, sunlight resistant and oil resistant

TECHNICAL DATA

Complete nominal dimensional data. Source ordering codes have been omitted.

TYPE 61A DIMENSIONS										
Power size mm2	Power wire dia. mm	Power cond. dia. mm	Screen wire dia. mm	Screen cross-sec. mm2	Pilot size mm2	Pilot wire dia. mm	Pilot cond. dia. mm	Max tension kN	Overall dia. mm	Weight kg/km
95	0.51	13.5	0.31	43	16	0.41	5.3	4.3	59.1	6340

SERVICE CONDITIONS

Parameter	Value
Voltage rating	640/1100 V
Installation use	Reeling and non-reeling operation for portable electrical equipment
Operating environment	Hazardous-area mining and industrial service
Resistance properties	UV resistant, ozone resistant, sunlight resistant and oil resistant

NOTES

Nominal dimensions and weights are provided for cable selection. Actual cable dimensions may vary due to manufacturing tolerances.

CERTIFICATIONS