

# PILOT CABLES TO SPECIFICATIONS NRS 011:1991

(Suitable for induced voltages not exceeding 5KV and 15KV)

## APPLICATION

Pilot cables are used in relay protection systems for transmitting the signals when phase-to-phase, three-phase, phase-to-phase to ground, and ground current faults, including relatively low level ground current faults occurring are being detected within an electrical power network. Upon detecting a condition indicative of a fault within the protected section, a pilot relay transmits an electrical signal to a power circuit breaker which in turn disconnects the protected section of the electrical power network from the remainder of the network.

PILOT-NRS11

## CONSTRUCTION

CONDUCTOR	Plain annealed copper conductors 0.9mm
INSULATION	Polyethylene insulation
TWINNING	Colour coded twisted pairs (reference / marker colour scheme)
MOISTURE BARRIER	Petroleum jelly filled cable core
BEDDING SHEATH	Polyethylene
ARMOUR	Galvanised steel wire armouring
SHEATH	PVC outer sheath

## PURCHASE CODES, WEIGHTS and DIMENSIONS

NO. OF PAIRS	PRODUCT CODE	OVERALL DIAMETER (mm)	MIN BEND RADIUS (mm)	STANDARD DRUM LENGTH (m)	CABLE WEIGHT (kg/km)
Cables where induced voltages do not exceed 5KV					
19	PILOT 19 PR 0.9mm 5KV	26.8	263	500	1203
37	PILOT 37 PR 0.9mm 5KV	34.0	340	500	1965
52	PILOT 52 PR 0.9mm 5KV	39.5	395	500	2484
Cables where induced voltages do not exceed 15KV					
19	PILOT 19 PR 0.9mm 15KV	34.4	344	500	1868
37	PILOT 37 PR 0.9mm 15KV	44.5	445	500	3176
52	PILOT 52 PR 0.9mm 15KV	51.0	510	500	4462

300V / 90°C

