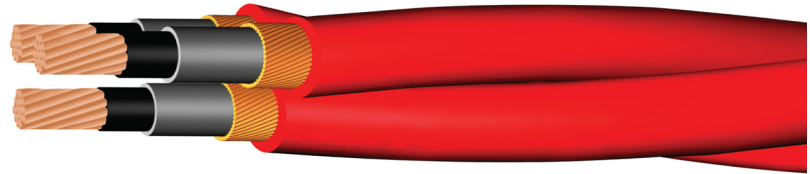
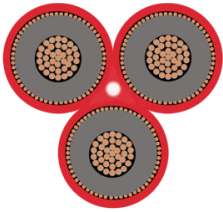




UKPN APPROVED COPPER TRIPLEX CABLE 11KV



APPLICATION

UKPN approved medium voltage copper power cable for connections from electrical grid to sub-main developments. Suitable for power networks, underground, outdoors and installation in cable ducting.

CABLE STANDARDS

IEC 60228
IEC 60502-2
Halogen free – IEC 60754-1
UV STABILISED
DNO Cable approved for UKPN use

CONSTRUCTION

Conductor: Class 2 stranded copper conductors
Water Blocking: Swellable tape or yarns
Conductor Screen: Semi conducting Compound
Insulation: Cross Link Polyethylene (XLPE)
Insulation Screen: Semi conducting compound
Metallic Screen: Aluminium Wires helically applied
Tape: Aluminium tape applied in open counter helix
Water Blocking: Tape, Helically applied
Sheath: Polyethylene type S17 (PE)
Sheath Colour: **Red**

CHARACTERISTICS

Voltage Rating: 6350V / 11000V (11kV)
Temperature Limits: 0°C to +90°C
Minimum Bending Radius: As per cable manufacturer datasheet

CORE IDENTIFICATION

Triplex: **Brown Black Grey Tapes**

Should not be installed at temperatures below 0°C

For more information contact:
01642 241 133



UKPN COPPER TRIPLEX CABLE 11KV- DIMENSIONS

CCC CODE	CONDUCTOR SIZE (MM ²)	CONDUCTOR TYPE	NOMINAL DIAMETER (MM)	MAXIMUM VOLTAGE RATING	OVERALL WEIGHT OF TRIPLEX (KG/KM)	APPROX OVERALL DIAMETER OF TRIPLEX (MM)
UKPN11KVTRIP3X300CU	300	STRANDED to IEC 60228	39	11KV	11070	84

UKPN COPPER TRIPLEX CABLE 11KV- ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA (MM ²)	MAXIMUM DC RESISTANCE OF CONDUCTOR AT 20°C OHMS/KM	MAXIMUM AC RESISTANCE OF CONDUCTOR AT 90°C OHMS/KM	INDUCTANCE MH/KM	CAPACITANCE (MF/KM)	1 SECOND SHORT CIRCUIT RATING OF CONDUCTOR kA	1 SECOND SHORT CIRCUIT RATING OF METALLIC SCREEN kA
300	0.0601	0.0790	0.1310	0.500	42.90	13.10

UKPN COPPER TRIPLEX CABLE 11KV - CURRENT CARRYING CAPACITY

MAX VOLTAGE RATING	MUTUAL CAPACITANCE pF/m			
	NOMINAL CROSS SECTIONAL AREA (MM ²)	IN GROUND AMPS SEE NOTE 1*	IN DUCTS AMPS SEE NOTE 2**	IN AIR AMPS SEE NOTE 3***
11kv	300	603	552	806

NOTE 1* GROUND TEMPERATURE = 15°C, DEPTH = 0.9M, THERMAL RESISTIVITY OF SOIL -1.2K.M/W

NOTE 2** 15°C, DEPTH = 0.9M, THERMAL RESISTIVITY OF SOIL -1.2K.M/W

NOTE 3*** AMBIENT TEMPERATURE = 25°C

THE INFORMATION CONTAINED WITHIN THIS DATASHEET IS FOR GUIDANCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE OR LIABILITY. WE BELIEVE THE INFORMATION IS CORRECT AT THE TIME OF PUBLICATION. PLEASE NOTE WHEN SELECTING CABLE ACCESSORIES THAT ACTUAL CABLE DIMENSIONS MAY VARY DUE TO MANUFACTURING TOLERANCES.

For more information contact:
01642 241 133