

# Medium Voltage Cables

12/20(24)kV Single-Core  
XLPE Insulated, Unarmoured & Armoured, PVC Sheathed Cable

Description: CU/XLPE/CTS/PVC or CU/XLPE/CTS/PVC/AWA/PVC-AT or CU/XLPE/CTS/PVC/DATA/PVC-AT



Application :	This is an electric power distribution network cable typically used as primary supply to commercial, industrial and urban residential networks
Voltage rating :	12/20(24)kV, 12.7/22(24)kV
Construction :	Circular compacted stranded copper conductor, cross linked semi-conducting compound, XLPE insulated, cross linked semi-conducting compound bonded or strippable screened, plain annealed copper tape screen, aluminium wires or double aluminium tape armoured and extruded PVC or anti-termite PVC compound sheath
Specification :	IEC60502-2, BS6622
Operating temperature:	90°C

Conductor		Insulation	Unarmoured			AWA Armoured			DATA Armoured		
Nominal Area	Approx. Diam.	Thickness	Part No.	Approx. Overall Diam.	Approx. Weight	Part No.	Approx. Overall Diam.	Approx. Weight	Part No.	Approx. Overall Diam.	Approx. Weight
(mm <sup>2</sup> )	(mm)	(mm)		(mm)	(kg/km)		(mm)	(kg/km)		(mm)	(kg/km)
35	7.0	5.5	<b>14019031</b>	26.6	975.0	<b>14019032</b>	32.7	1475.0	<b>14019033</b>	31.5	1330.0
50	8.4	5.5	<b>15019031</b>	28.0	1130.0	<b>15019032</b>	34.4	1675.0	<b>15019033</b>	33.0	1500.0
70	10.0	5.5	<b>16019031</b>	29.7	1375.0	<b>16019032</b>	37.0	2045.0	<b>16019033</b>	34.8	1780.0
95	11.6	5.5	<b>17019031</b>	31.4	1680.0	<b>17019032</b>	38.7	2380.0	<b>17019033</b>	36.6	2115.0
120	13.0	5.5	<b>18019031</b>	33.0	1945.0	<b>18019032</b>	40.3	2690.0	<b>18019033</b>	38.0	2395.0
150	14.6	5.5	<b>19019031</b>	34.8	2270.0	<b>19019032</b>	41.9	3030.0	<b>19019033</b>	39.7	2720.0
185	16.2	5.5	<b>20019031</b>	36.4	2655.0	<b>20019032</b>	43.7	3470.0	<b>20019033</b>	41.5	3145.0
240	18.4	5.5	<b>21019031</b>	38.8	3260.0	<b>21019032</b>	46.0	4105.0	<b>21019033</b>	44.0	3790.0
300	20.6	5.5	<b>22019031</b>	41.2	3905.0	<b>22019032</b>	49.9	5005.0	<b>22019033</b>	46.6	4490.0
400	23.8	5.5	<b>23019031</b>	44.7	4795.0	<b>23019032</b>	53.2	5975.0	<b>23019033</b>	50.0	5420.0
500	26.6	5.5	<b>24019031</b>	47.8	5885.0	<b>24019032</b>	56.5	7180.0	<b>24019033</b>	53.3	6590.0
630	29.9	5.5	<b>25019031</b>	51.3	7330.0	<b>25019032</b>	60.2	8735.0	<b>25019033</b>	57.0	8110.0
800	34.1	5.5	<b>26019031</b>	56.0	8985.0	<b>26019032</b>	64.8	10465.0	<b>26019033</b>	61.6	9795.0
1000	37.8	5.5	<b>27019031</b>	60.2	11135.0	<b>27019032</b>	69.0	12730.0	<b>27019033</b>	65.8	12010.0

\*MDPE, LSZH sheath is available if required.