

TECHNICAL DATA SHEET

CU/XLPE/PVC/SWA/PVC

1		Type of Cable		
	1.1	Cross-section	(mm ²)	3x25 SECTOR
	1.2	Designation voltage (U ₀ /U)	(kV)	0,6/1
	1.3	Standard no		BS 5467
	1.4	International code		N2XRY
2		Conductor		
	2.1	Conductor material		CU
	2.2	Conductor construction		Stranded conductor
	2.3	Nominal cross-sectional area	(mm ²)	25
	2.4	Number and nominal diameter of wires	(mm.)	7x2,15
	2.5	Diameter of conductor	(mm.)	5,06/8,53
	2.6	Maximum D.C. resistance at 20 °C	(ohm/km.)	0,727
	2.7	Maximum operating temperature	(°C)	90
	2.8	Short-circuit temperature	(°C)	250
3		Insulation		
	3.1	Material		XLPE
	3.2	Nominal thickness	(mm.)	0,90
4		Filler / Bedding		
	4.1	Material		PVC
	4.2	Nominal thickness	(mm.)	1,00
5		Armour		
	5.1	Material		Galvanized Steel Wire
	5.2	Armored Wire Diameter	(mm.)	1,60
	5.3	Wire Number Of Armored		29
	5.4	Resistance Of The Armour 20 °C	(ohm/km.)	2,50
6		Outer sheath		
	6.1	Material		PVC
	6.2	Nominal thickness	(mm.)	1,40
7		General		
	7.1	Overall diameter of cable	(mm.)	22,22
	7.2	Permissible bending radius	(mm.)	8D
	7.3	Insulation resistance at 90 °C	Mohm km	3,67
	7.4	Current carrying capacity(ground)	(A.)	96
	7.5	Current carrying capacity(air)	(A.)	131

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1		Type of Cable		
	1.1	Cross-section	(mm ²)	3x35 SECTOR
	1.2	Designation voltage (Uo/U)	(kV)	0,6/1
	1.3	Standard no		BS 5467
	1.4	International code		N2XRY
2		Conductor		
	2.1	Conductor material		CU
	2.2	Conductor construction		Stranded conductor
	2.3	Nominal cross-sectional area	(mm ²)	35
	2.4	Number and nominal diameter of wires	(mm.)	7x2,53
	2.5	Diameter of conductor	(mm.)	4,92/9,82
	2.6	Maximum D.C. resistance at 20 °C	(ohm/km.)	0,524
	2.7	Maximum operating temperature	(°C)	90
	2.8	Short-circuit temperature	(°C)	250
3		Insulation		
	3.1	Material		XLPE
	3.2	Nominal thickness	(mm.)	0,90
4		Filler / Bedding		
	4.1	Material		PVC
	4.2	Nominal thickness	(mm.)	1,00
5		Armour		
	5.1	Material		Galvanized Steel Wire
	5.2	Armored Wire Diameter	(mm.)	1,60
	5.3	Wire Number Of Armored		33
	5.4	Resistance Of The Armour 20 °C	(ohm/km.)	2,30
6		Outer sheath		
	6.1	Material		PVC
	6.2	Nominal thickness	(mm.)	1,50
7		General		
	7.1	Overall diameter of cable	(mm.)	24,26
	7.2	Permissible bending radius	(mm.)	8D
	7.3	Insulation resistance at 90 °C	Mohm km	3,67
	7.4	Current carrying capacity(ground)	(A.)	115
	7.5	Current carrying capacity(air)	(A.)	162