ARISTONCAVI

TECHNICAL DATA SHEET

Research & Development Dept.

Cable		URSUS® MT FO PLUS 6/10 kV
Nr. and section of cores	N°xmm²	3×25+2×25/2+1×(12×(62,5/125))
Cable construction		
Phase conductors		
Nominal cross section	mm²	25
Conductor material	-	Tinned copper
Conductor construction	-	Class 5, acc. to VDE 0295
Indicative diameter	mm	6,9
Insulation		
Semiconductor tape Inner semiconductive rubber layer Insulation material Outer semiconductive rubber layer	-	3GI3 rubber compound, acc. to VDE 0207 part 20
Protective conductors		
Nominal cross section	mm²	16
Conductor material	-	Tinned copper
Conductor construction	-	Class 5, acc. to VDE 0295
Covering	-	Semiconductive compound
Fibre-optics		
Fibre	-	Trasmission data 62,5/125
Number of fibres	-	12
Core arrangement	-	Fibres twisted with central textile support
Fibres arrangement covering	-	Special compound over the twisted cores
Cradle filler		
Cradle filler material	-	Semiconductive compound on tinned copper support
Inner sheath		
Material	-	GM1b/5GM5 quality rubber compound, acc. to VDE 0207 part 21
Antitorsional element		
Material	-	Textile fibre
Outer sheath		
Material	-	5GM5 quality rubber compound, acc. to VDE 0207 part 21
Nominal outer diameter	mm	43,2 (max 44,6)
Approx weight	kg/km	2830
Colour		Red
Electrical working data		
Nominal rated voltage U_0/U	kV	6/10
Test voltage	kV	17
Thermal working data		
Maximum short circuit temperature	°C	250
Maximum working temperature on the conductor	°C	90
Minimum ambient temperature: mobile condition	°C	-30
Minimum ambient temperature: static condition	°C	-50
Mechanical and Chemical working data		
Bending radius (freely flexing acc.to VDE 0298 part 3)	mm	435
Oil resistance	-	Acc. to IEC 60811-404
Ozone resistance	-	Acc. to IEC 60811-403

NOTE
Standard reference:
Based on DIN VDE 0250 part 813

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