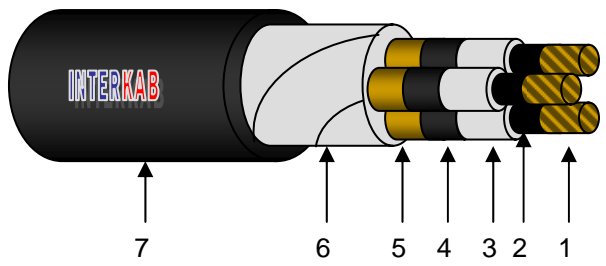


**18/30kv  
Flame Retardant**

**Onshore Power & Control Cables to IEC 60502 Specification**

Multi Core Unarmoured Cables



**Applicable Standards:**  
  
IEC 60502/1997  
IEC 60228/1997  
IEC 60332

<b>Application:</b>	For installation on Brackets, Trays, Ducts or direct burial when well protected
<b>(1) Conductor:</b>	Plain round compacted copper conductor according to IEC 60228/1997 specifications
<b>(2) Conductor screen :</b>	The conductors are covered by an extruded semi-conductive layer
<b>(3) Insulation:</b>	Over the conductor screen is extruded Cross Linked Poly-Ethylene (XLPE) compound layer
<b>(4) Insulation screen:</b>	Over the insulation is extruded a semi-conductive layer firmly bonded to the insulation (on request strippable)
<b>(5) Metallic screen:</b>	Over the insulation semi-conductive layer is helically applied one or more copper tapes of 0.1 mm thickness, with a suitable overlap (copper wire screen available on request)
<b>(6) Assembling-Filling-Wrapping:</b>	The three insulated and screened conductors are then assembled together, with Polypropylene fillers and wrapped with non-hygroscopic separation tape, helically applied with a suitable overlap.
<b>(7) Outer sheath:</b>	Over the assembled cores, is finally applied by continuous extrusion the outer PVC Type (ST2) covering, of suitable thickness.

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Nominal cross-section area cond./scr.(mm <sup>2</sup> )	70	95	120	150	185	240
XLPE insulation thickness (mm)	8.0	8.0	8.0	8.0	8.0	8.0
Φ or thickness of armour (mm)	-	-	-	-	-	-
Outer sheath thickness (mm)	3.2	3.3	3.5	3.6	3.7	3.8
Cable overall Diameter approx. (mm)	72.1	76.2	80.2	83.2	87.3	92.7
Cable net weight approx. (kg/km)	5810	6910	8000	8960	10400	12470
Ohmic resistance D.C. at 20°C (max) (Ω/km)	0.2680	0.1930	0.1530	0.1240	0.0991	0.0754
Ohmic resistance A.C. at 90°C (max) (Ω/km)	0.3420	0.2480	0.1980	0.1602	0.1300	0.0998