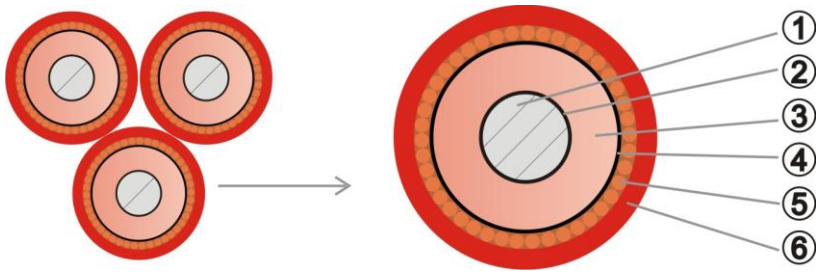
Al/HEPR/CS/PE 6,35/11 kV

DRAWING – GENERAL CONSTRUCTION - COLOUR CODE AND MARKING



1. **CONDUCTOR**
2. **CONDUCTOR SCREEN**
3. **INSULATION**
4. **INSULATION SCREEN**
5. **SCREEN**
6. **OUTER PHASE SHEATH**

CORE IDENTIFICATION:

Black with coloured tape (Brown – Black – Grey)

OUTER SHEATH COLOUR:

Red

NORMS OF REFERENCE:

- **BS 7870 4.10**
- **WPD EE82**

OUTER SHEATH MARKING:

The outer sheath is marked each meter as follows:

PHASE 1: WPD + ELECTRIC CABLE 11000 V + BS 7870 4.10 + TRATOS + 1XSEC Al + lot production + year of production + metrical marking

PHASE 2: WPD + ELECTRIC CABLE 11000 V + BS 7870 4.10 + TRATOS + 1XSEC Al + lot production + year of production

PHASE 3: WPD + ELECTRIC CABLE 11000 V + BS 7870 4.10 + TRATOS + 1XSEC Al + lot production + year of production

MECHANICAL & ENVIRONMENTAL CHARACTERISTICS

	U.M.			
CONDUCTOR				
Material		Solid aluminium (Cl.1)		
Nominal cross section	mm²	**3X1X95**	**3X1X185**	**3X1X300**
TRATOS CODE		012805	012801	133449
Nominal diameter	mm	11,20	14,65	29,8
Max. resistance at 20°C	Ω/km	0,32	0,164	0,1
CONDUCTOR SCREEN				
Type		Semiconductor layer		
Colour		Black		
INSULATION				
Material		HEPR		
Nominal thickness	mm	3,4		
Colour		Natural		
INSULATION SCREEN				
Type		Semiconductor layer strippable		
Colour		Black		
SCREEN				
Type		Annealed plain copper wires + tape		
Nominal section	mm²	35		
Max. resistance at 20°C	Ω/km	0,542		
OUTER PHASE SHEATH				
Material		**MD PE**		
Nominal thickness	mm	1,8	1,9	2,1
Nominal diameter	mm	27,1	31,2	36,4
OUTER PHASES LAYING				
Nominal diameter	mm	58,5	67,4	78,6
Nominal weight	Kg/km	3.505	4.455	5.920

GENERAL CHARACTERISTICS					
Min. bending radius		mm	14 x ø		
Current capacity	Air 30°C	A	266	406	556
	Ground 20°C		217	314	411
Nominal reactance		Ω/km	0,115	0,107	0,074
Nominal capacitance		µF/km	0,443	0,542	0,976
Voltage test		kVx5'	21		