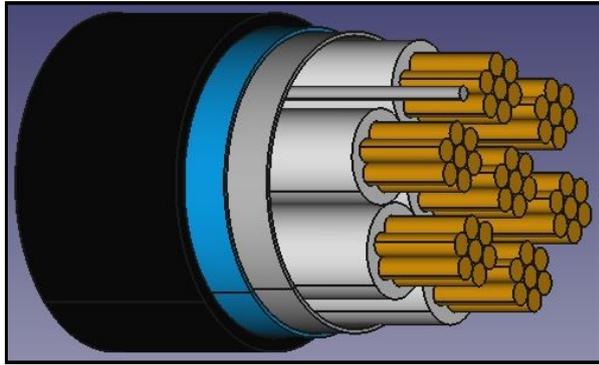


**Construction of Cable: 300/500V Non-Armoured Instrumentation Cable  
(Overshielded - CORE)**

**Drawing:**



**Application:**

Instrumentation non-armoured cables are generally used in the petroleum and petrochemical industries. These cables are generally for indoor control applications and they are designed for use in intrinsically safe system. The cables are overall shielded for isolation and noise reduction.

NO.	DESCRIPTION	PVC Insulated PVC Sheathed
1	Conductor	Circular stranded plain annealed copper wire according to IEC60228
2	Identification of cores: Two cores – Red and Black Three cores – Red, Yellow and Blue Four cores – Red, Yellow, Blue and Black Five cores and above: Number 1, 2, 3, 4, 5... and the number shall be blue or black printed on White cores.	Polyvinyl chloride compound (PVC) type T11 according to BS EN50288-1
3	Laying Up	Cores stranded together. Binder tape and non-hygroscopic filler may be applied where necessary
4	Overall Screen	Aluminium polyester tape with metallic side downward in contact with a 0.5mm <sup>2</sup> tinned copper drain wire <b>(OPTIONAL)</b>
5	Outer sheath shall be black	PVC type TM5 1 according to BS EN50288-1

**TECHNICAL DATA**

1	Voltage	300/500V
2	Maximum Conductor Temperature	70°C
3	Reference	BS EN50288-7
4	Testing Voltage	1000V
5	Minimum Bending Radius	8 X Bending Radius