

HR - PVC (105°C) INSULATED FLEXIBLE CABLE 300/500V

APPLICATION

For use in applications where greater flexibility is required to assist installation. Suitable for power, lighting circuits and building wiring. These cables are intended for use in the indoor application, distribution in conduits as well as in closed installation ducts, and for the internal wiring of appliances and apparatus with rated temperature up to 105°C.

APPLICABLE STANDARD

BS EN 50525-2-11 *

*Cables will be Generally to BS EN 50525-2-11

CHARACTERISTICS

CONDUCTOR SIZE	INSULATION THICKNESS	CABLE DIAMETER			
		2 CORE	3 CORE	4 CORE	5 CORE
mm ²	mm	mm	mm	mm	mm
0.75	0.6	7.0	7.2	8.0	9.0
1.0	0.6	7.5	7.5	8.5	9.5
1.5	0.7	8.5	9.0	10.0	11.0
2.5	0.8	10.0	11.0	11.5	13.0
4.0	0.8	11.0	12.0	13.5	15.0
6.0	0.8	13.0	13.5	15.0	16.5
10.0	1.0	15.5	16.5	18.5	20.0

CONSTRUCTION

1. **Conductor:** Annealed plain copper (multi stranded flexible, class-5)
2. **Insulation:** Extruded PVC (105°C)
3. **Sheath:** Extruded PVC type TM3

PACKING

Cable Shall be supplied in coils / spools of 100 yard or 500 meters & Drums for 1,000 meters and above.

CORE COLOUR IDENTIFICATION

TWO CORES



THREE CORES



FOUR CORES



FIVE CORES



Depending upon the project requirements, Oman Cables can provide other core colors like BS old colors (Red, Blue, Yellow)

CABLE INSTALLATION



Conduit/ Ducts



Fixed or Clipped
Direct on Wall



On Perforated Tray



Minimum Bending
Radius 6XOD

CHARACTERISTICS



MAX. operating
temperature



MAX. short circuit
temperature



Flame propagation
IEC 60332-1



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