



Product: Cable

Cable Coding System

What is Cable Coding System

Cable Coding System

The following codes are used for designating the cables as per IS which is generally followed in the Indian industry to identify type of cables.

CONSTITUTE	CODE LETTER
COPPER CONDUCTOR	-
ALUMINIUM CONDUCTOR	A
PVC INSULATION	Y
XLPE INSULATION	2X
STEEL ROUND WIRE ARMOUR	W
STEEL STRIP ARMOUR	F
STEEL DOUBLE ROUND WIRE ARMOUR	WW
STEEL DOUBLE STRIP ARMOUR	FF
PVC OUTER SHEATH	Y

- YWY means Copper conductor, PVC insulated, round wire armored and PVC sheathed cable.
- AYFY means Aluminum conductor, PVC insulated. Steel strip armored and PVC sheathed cable.
- Note: When a code starts with **A** then the cable aluminum cable otherwise it is copper cable.

EXAMPLES

- **3 Core x 2.50 sq.mm YWY:**
Plain Copper conductor, PVC insulate, laid up, inner sheathed, G.I. Wire Armored and PVC sheathed cable having 3 cores of 2.50 sq.mm conductor size to IS 1554.
- **4 Core x 4.0 sq.mm AYWY:**
Aluminum conductor, PVC insulated, laid up, inner sheathed, G.I Wire Armored and PVC sheathed cable having 4 cores of 4.0 sq.mm conductor size to IS 1554.
- **3½ Core x 50 sq.mm AYFY:**
Aluminum conductor, PVC insulated, laid up, inner sheathed, Steel Strip Armored and PVC sheathed cable having 3 cores of 50 sq.mm and 1 core of 25 sq.mm conductor size to IS 1554.
- **3 Core x 2.50 sq.mm 2XWY:**
Copper conductor, XLPE insulated, PVC inner sheathed, Steel Round Wire Armored, and PVC sheathed cable having 3 cores of 2.50 sq.mm conductor size to IS 7098 Part I
- **3½ Core x 50 sq.mm A2XFY:**
Aluminum conductor, XLPE insulated, PVC inner sheathed, Steel Strip Armored, and PVC sheathed cable having 3 cores of 50 sq.mm and 1 core of 25 sq.mm to IS 7098 Part I