Type Codes of Copper Insulated Cables

A-BCDEFG Hxl...JKLMN

A Basic Types

A- - Outdoor telephone cables
J- - Installation cables
AJ- - Outdoor cable with protection against inductive influences
T- - Terminating cable

B Insulation Types

02Y - Cellular PE
2Y - Solid PE
02YS - Foam Skin Insulating cover of cellular PE with additional skin of solid polyolefine.
Y - PVC
H - LSZH

C Filling

F - Petroleum jelly filling
Blank - Unfilled

D Screening Material

(St) - Static shield of plastic-backed aluminum Tape for indoor cables
D - Shield of copper wire whipping over one stranding element (e.g. pair)
LR - Corrugated alumnium tape
Blank - No screen

E Bedding Material

2Y - PE
Y - PVC
H - LSZH
M - Lead Sheath
MZ - Special Alloyed Lead Sheath
Blank - No Bedding

F Armouring Material

b - Armouring
SR - Corrugated steel tape
T - Messenger of galvanized steel wires.
Blank - No Armour

G Sheath Material

2Y - PE
Y - PVC
H - LSZH
(L)2Y - Laminated sheath (shield of PE coated aluminium tape bonded with PE sheath).
M - Lead Sheath
MZ - Special Alloyed Lead Sheath
Blank - No Sheath

H Number of Pairs/Quads

2x2 - 2 Pairs
2x4 - 2 Quads

I Conductor Size

0.4 - 0.4mm
0.5 - 0.5mm
0.6 - 0.6mm
0.8 - 0.8mm
0.9 - 0.9mm

J Stranding Element

PiC - Pairs shielded with copper braid
PiMF - Pairs shielded with aluminium/polyester tape
St - Star Quad(Phantom)
StI - Star Quad(trunk cable)
StIII - Star Quad (local cable)
TIC - Triple shielded with copper braid
TiMF - Triple shielded with aluminium/polyester tape

K Cable Type

S - Railway signaling cable

L Types of Stranding

Lg - Stranded in layers
Bd - Unit Type stranding

M Copper/Steel Tape/Braid Screen Options

(.....Cu) - Total cross section of copper shield in mm sq
(fK) - Longitdinally applied copper tape, supplement to (St)
2B... - two layers of steel tape, thickness of steel tape in mm

N Fire Resistance Options

E30 - 30mins circuit integrity according to DIN VDE 4102 Part 12
E60 - 60mins circuit integrity according to DIN VDE 4102 Part 12
F180 - 950°C 180mins Insulation integrity according to IEC 60331&VDE 0427-814