

# CABLE CODES

## Control Cables

□□□□□ □□ x □  
1 2 3 4 5 6 7 8

### I. Basic type

N VDE standart  
(N) or X as per VDE

### II. Insulation Materials

Y Thermoplastic resins  
X Crosslinked thermoplastic resins  
G Elastomers  
HX Halogen-free materials

### III. Cable Designation

A Cored cable  
AF Fine wire cored cable  
D Solid wire  
F Socket core  
L Fluorescent tube cable  
LH Connecting cable  
light mechanical load  
MH Connecting cable  
medium mechanical load  
SH Connecting cable  
heavy mechanical load  
SSH Connecting cable  
special load  
SL Control cable/welding cable  
S Control cable  
LS Light control cable  
FL Flat cable  
Si Silicone cable  
Z Twin cable  
GL Glass filament  
Li Stranded core to VDE 0812  
LiF Stranded core to VDE 0812  
superfine wire

### IV. Special Feature

T Support wire  
O Enhanced oil resistance  
U Flame-retardant  
W Heat resistant ,  
weather resistant  
FE Insulation retained for  
a limited time  
C Screen braiding  
D Screening as wrapping  
with copper wire  
S Steel wire braid as  
mechanical protection  
Q Steel Braiding

### V. Sheats

as point II. Insulating material  
P/PUR polyurethane

### VI. Protective Conductor

O Without protective conductor  
J With protective conductor

### VII. Number of Cores

- no.of cores

### VIII. Conductor

In mm<sup>2</sup>

## Harmonised Cables

□□ □□□-□ □□  
1 2 3 4 5 6 7 8

### I. Basic type

H Harmonised type  
A National type

### II. Rated Voltage

01 100/100Volt  
03 300/300Volt  
05 300/500Volt  
07 450/750Volt  
11 600/1000Volt

### III. Insulation Materials

V PVC  
V2 PVC+90 °C  
V3 PVC-cold flexible  
B Ethylenpropylen-rubber  
E Polyethylene  
X XLPE, crosslinked PE  
R Rubber  
S Silicone rubber

### IV. Outer/Inner sheath material

V PVC  
V2 PVC+90 °C  
V3 PVC"cold flexible"  
V5 PVC"with enhanced oil resistance  
R Rubber  
N Choloropren rubber  
Q Polyurethane  
J Glass fibre braid  
T Textile braid

### V. Special Features

C4 Copper screen braiding  
H Flat cable, seperable  
H2 Flat cable, not seperable  
H6 Flat cable, not seperable for lift  
H8 Helical/Spiral cable

### VI. Conductor Type

U Single wire  
R Multi wire  
K Fine wire(static)  
F Fine wire(flexible)  
H Superfine wire  
Y Tinsel wire  
D Fine wire core for welding cable  
E Superfine core for welding cable

### VII.Number of Cores

- No. Of cores

### VIII. Protective Conductor

X Without protective conductor  
G with protective conductor

### IX. Conductor cross section

in mm<sup>2</sup>

## Telephone Cables & Leads

□□ □□□ □x□ □□□□  
1 2 3 4 5 6 7 8 9 10

### I. Basic Type

A Outside cable  
G Mine cable  
J Installation cable  
L Rubber sheathed cable  
S Jumper cable

### II. Additional Information

B Lightning protection make up  
J Induction protection  
E Electronics

### III. Insulation Materials

Y PVC  
2Y Polyethylene  
02Y Cellular PE  
5Y PTFE  
6Y FEP  
7Y ETFE  
P Paper

### IV. Make-up Features

F Petroleum jelly filling  
L Aluminium sheath  
LD Corrugated Al sheath  
(L) Aluminium strip  
(st) Metal foil screen  
(K) Copper strip screen  
C Copper braid screen  
(Z) Steel wire braid  
W Corrugated steel sheath  
M Lead sheath  
MZ Special lead sheath  
b Amouring  
c Jute sheath + ground  
E Ground layer + strip

### V. Sheath material

Y PVC  
2Y Polyethylene  
02Y Cellular PE  
5Y PTFE  
6Y FEP  
7Y ETFE  
P Paper

### VI. Number of Cores

- No. Of stranding elements

### VII. Stranding Elements

1 Single core  
2 Pair

### VIII. Conductor Diameter

in mm

### IX. Stranding Elements

F Star-quad (railway)  
St Star-quad (phantom)  
StI Star-quad (trunk cable)  
StIII Star-quad (local cable)  
TF Star-quad for TF  
S Signal cable (railway)  
PIMF Screened pair

### X. Type of Stranding

Lg Layer stranding  
Bd Quat stranding

