

VDE Standard Code

1 Basis Type

A-Outdoor Cable
A National Certification
AB Outdoor cable with lightning protection
AD Outdoor cable with different protection device
AJ- Outdoor cable with induction protection device
ASLH Aerial high voltage self-supporting communication cable
FL Flat Cable
G- Mining Cable
GJ Mining cable with induction protection
H HARMONIZED type
M Plastic sheath cable
N VDE Standard
(N) according to VDE Standard
RAGL- Thermocouple compensating cable
RD- Special cable
RE Computer cable
RG- MIL type coaxial-cable
RS Computerized branch exchange cable
-S Signal cable for German railway
S- Switchboard cable
SL Cable with flexible sheath
T- Output terminal cable
Z Two cores cable

2 Additional Information

-J Cable with yellow-green ground wire
-JZ Cable with code number identified yellow-green ground wire
-O Cable without yellow-green ground wire
-OZ Cable without code number identified yellow-green ground wire

3 Insulation & Sheath Materials

G Rubber(N&R/SBR)
2G Silicone rubber(SIR)
3G Ethylene propylene rubber(EPR)
4G Ethylene-vinyl acetate copolymer (EVA)
5G Chloroprene rubber (CR)
6G Chlorosulfonated polyethylene(CSM)
7G Artificial rubber
8G Nitrile butadiene rubber (NBR)
9G PE-C rubber(CE)
53G Chlorinated polyethylene
H Halogen-free flame retardant compound
HX Cross-linked halogen-free compound
O2Y Foamed polyethylene(Cellular PE)
X Polyvinyl chloride (X-PVC)
XP Cross-linked polyvinyl chloride (X-PE)
2X Cross-linked polyvinyl chloride
7X Cross-linked polyvinylidene fluoride (X-ETFE)
10X Cross-linked polyvinylidene fluoride(X-PVDF)
Y Polyvinyl chloride
Yu Flame retardant polyvinyl chloride
Yv Enhanced Polyvinyl chloride
YV Tinned conductor for equipment use
Yw Polyvinyl chloride with heat resistance max. 90°C
2Y Polyethylene
2Yv Enhanced polyethylene
O2Y Foamed polyethylene
O2YS Foamed polyethylene with foamed or solid core layer
2YHO Spaced polyethylene
3Y Polystyrene(PS),Polystyrene fibre
4Y Polyamide (PA)
5Y Polytetrafluoroethylene (PTFE), teflon
5YX Polyfluoroalkoxy (PFA)
6Y Fluorinated ethylene propylene(FEP)
7Y Polyvinyl fluoride
8Y Polyimide(PI)
9Y Polypropylene(PP)
10Y Polyvinylidene fluoride

3 Insulation & Sheath Materials

11Y Polyurethane (PUR)
13Y TPE-E Thermoplastic Polyether ester elastomer
31Y TPE-S Styrenic thermoplastic elastomer
41Y TPE-A Polyamide thermoplastic elastomer
51Y PFA Polyfluoroalkoxy
71Y ECTFE Ethylene-chlorotrifluoroethylene copolymer
91Y TPE-O Thermoplastic olefin elastomer

4 Cabling Features

B Armouring
B Reinforced
C Tinned copper wire braided screen
F Oil filled
(K) Copper tape screen
LD Corrugated aluminum foil armouring
(L)Y Aluminum tape screen + PVC outer sheath
(L)2Y Aluminum tape screen + PE outer sheath
M Lead sheath
MZ Special lead sheath
(mS) Magnetic sheath
(St) Static screen(aluminum foil/polyester tape)
W Corrugated steel tape armouring
(Z) Spiral steel wire armouring

5 Conductor Type

Re Round single core
Rm Round multicore
Staku Copper-clad steel wire
Staku-Li Multistranded copper-clad steel wire

6 Conductor Core Structure

PiC Single pair copper wire braided screen
PiMF Single pair aluminum foil/polyester tape
St 4 cores star quad stranding(Phantom)
St I 4 cores star quad stranding(Trunk cable)
St III 4 cores star quad stranding(local cable)
TiC Three layers of copper wire braiding
TiMF Three layers of aluminum foil/polyester tape

7 Core Configuration

Bd Unit-typed
Lg Layer stranded

8 Sheath Features

FR Flame retardant
..T Termite resistance
O Oil resistance
NC Corrosion resistance