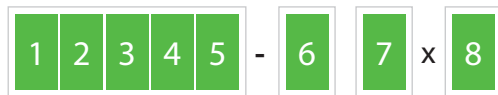


CODES

CODES FOR CONTROL CABLES



1 Identification	Z flat twin flexible cord
N VDE standard	GL glass fibre yarn
(N) in resembl. to VDE	Li bunched conductor acc. to VDE 0812
X in resembl. to VDE	LiF bunched conductor acc. to VDE 0812, extra fine stranded
2 Insulation	4 Particularities
Y PVC	T support wire
X cross-linked, thermoplastic synthetic materials	Ö enhanced oil-resistance
G elastomers	U flame-resistant
HX cross-linked, halogen-free materials	w heat resistant
H halogen-free materials	FE insulation integrity
2Y PE	C copper wire braid
3 Type of cable	D copper wire spinning (weir)
A insulation cable	S steel wire braid
D solid cable	5 Sheath
AF flexible stranded cable	Y PVC
F flexible cable for fittings	X crosslinked, thermoplastic synthetic materials
L flourescent tube cable	G elastomers
LH direct line, minor mechanical stress	H halogen-free materials
MH MH direct line, medium mechanical stress	PUR polyurethane
SH direct line, heavy mechanical stress	6 Core identification
SSH direct line, specific stress	O without protective conductor
SL control cable/welding cable	J with protective conductor
S control cable	Z cores with number-printing
LS control cable with minor mechanical stress	B cores with colour-coding
FL flat flexible cable	7 Number of cores
Si silicone cable	8 Nominal conductor cross-section (mm²)

CODES FOR TELECOMMUNICATION LINES

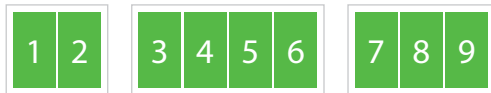


1 Basic Type	6 Number of stranding elements
A outdoor cable	7 Stranding element
G mining cable	1 Single conductor
J installation cable	2 Pair
S switchboard cable	3 Triple
T distribution cable	4 Quad
2 Additional Information	5 Five
B lightning protection	8 Conductor diameter or Conductor cross-section
J induction protect.	9 Stranding element
E electronics	St 0 star-quad (in general)
LI stranded wire	St I star-quad (tele- comm. cable)
3 Insulation	St III star-quad (local cable)
Y PVC	St IV star-quad for trans mission up to 120 kHz
2Y PE	St V star-quad for trans mission up to 550 kHz
02Y Foam-PE	St VI star-quad for trans mission up to 17 MHz
02YS Foam-Skin PE	TF carrier frequency
5Y PTFE	P paired
6Y FEP	Kx coaxial pair
7Y ETFE	DM Dieselhorst-Martin-quad
9Y PP	PimF pair in metal foil
09YS Foam-Skin PP	VimF quad in metal foil
4 Construction over conductor stranding	10 Type of stranding
F petroleum jelly filling	Lg layer-stranding
L aluminium Sheath	Bd unit stranding
C copper wire braid	Bd Si unit stranding, simatic colour code
D copper wire spinning (weir)	EXAMPLES FOR CODE DESIGNATION
S steel wire braid	200 paired outdoor telephone cable for local grids, foam-skin PE-sheathed, composite layer sheath from coated aluminium tape and PE outer sheath, star-quad unit stranding, conductor diameter 0.4 mm
DS steel wire spinning (weir)	A-02YS(L)2Y 200x2x0.4 STIII Bd
(K) copper tape screen	
(L) aluminium tape	
(St) metal foil screen (Al/PE)	
(mS) magnetic screen	
(Z) strain bearing element	
5 Sheath	
Y PVC	
Y-FR PVC flame retardent IEC 332.3	
Yv PVC reinforced	
Yw PVC heat resistant	
2Y PE	
H halogen-free flame retardant	



CODES

CODE FOR HARMONISED CABLES ACC. TO DIN 57 292/ VDE 0292



1 Identification according designation

H	harmonised designation
A	national type

2 Nominal voltage (U_0 / U)

03	300/300V
05	300/500V
07	450/750V

3 Insulation

V	PVC
R	natural and/ or synthetic rubber
S	silicone rubber

4 Sheath

V	PVC
R	natural and/ or synthetic rubber
N	chloroprene rubber
J	glass fibre braid
T	textile braid

5 Particularities in construction

-	without
H	flat, divisible cable
H2	flat, non-divisible cable

6 Conductor

U	solid
R	multi-wired
K	fine-wired for fixed installation
F	fine-wired for flexible installation
H	extra fine-wired
Y	tinsel wire

7 Number of cores

8 Protective conductor

X	without protective conductor
G	with protective conductor

9 Nominal conductor cross-section in mm²

EXAMPLES FOR CODE DESIGNATION

PVC-sheathed wire 2.5 mm ² , green-yellow	H07V-U 2.5 gnye
Light tough-rubber sheathed wires 3 cores, 1.5 mm ² , with protective conductor, green-yellow	H05RR-F 3G1.5
2 cores, 1.5 mm ² , without protective conductor	H05RR-F 2G1.5
PCV-sheathed wire round, 4 cores, 2.5 mm ²	H05VV-F 4G2.5

CODE FOR POWER CABLES ACC. TO VDE 0276



1 Identification

N	VDE-standard
X	in resemblance to VDE

2 Type of conductor

A	aluminium conductor
-	copper conductor

3 Insulation

Y	PVC
2X	cross-linked polyethylene (XLPE, german: VPE)

4 Concentric conductor, screen

C	concentric copper conductor (helical)
CW	concentric copper conductor (wave-form)

5 Sheath

Y	PVC
2Y	PE

6 Protective conductor

O	without protective conductor
J	with protective conductor

7 Number of cores

8 Nominal conductor cross-section in mm²

9 Conductor

R	circular conductor
S	sector-shaped conductor
E	solid-wired
M	multi-wired conductor cross section (mm ²)

10 Nominal voltage

U_0 / U

EXAMPLES FOR CODE DESIGNATION

Power cable acc. to standard, insulation and sheath from PVC, with green-yellow core, 3 cores, nominal cross-section 16 mm², solid circular conductor, nominal voltage 0.6/1 kV

NY-Y-J 3 x 16 RE 0.6/1 kV

Power cables acc. to standard, aluminium conductor, insulation and sheath from PVC, with protective conductor, 3 cores, with wave-form concentric conductor, nominal cross-section 25 mm², solid sector-shaped conductor, nominal voltage 0.6/1 kV

NACWY-J 3 x 25 SE 0.6/1kV

