

# Code-designation-explanations for cables and insulated wire

A-	Outdoor cable	-O	cable without green-yellow earth core
A	approved national design	-OZ	cable without green-yellow earth core and cores with imprinted numbers
AB	Outdoor cable with lighting protection	ö	oil-resistant
AD	Outdoor cable with differential protection	02Y	Foam-PE, insulation (cellular PE)
AJ-	Outdoor cable with induction protection	Q	Steel wire braiding
ASLH	self-supporting communication cables for high voltage overhead lines	(R..)	round wire, diameter in mm
B	armouring	RAGL-	Compensating cable for thermocoupling
B	spinning of textile yarn	RD-	Rhenomatic cable
b	armouring	RE	Computer cable
(1B..)	one layer of steel tape... thickness of the steel tape in mm	RG-	Coaxial cable according MIL specification
(2B..)	two layers of steel tape... thickness of the steel tape in mm	re	round, single wire
BD	unit-type stranding	rm	round, multiwire
BLK	bare copper-conductor without insulation	RS-	computer switchboard cable
BZ	bronze conductor	S	silk whipping
C	screen of copper wire braiding	S	signal cables for railways
C	screen of copper wire spinning	(S..)	nominal value of mutual capacitance (nF / km)
C	outer protection of jute and viscous compound	-S	signal cable for German Railway
Cu	copper wire	S-	Switchboard cable
(-Cu)	total cross-section of copper screens (mm <sup>2</sup> )	SL	flexible sheathed cable
D	screen of copper wires	2S	two layers of silk whipping
(D)	screen of helically applied copper wires	St	star quad for phantom circuits
DM	Dieselhorst-Martin quad	St I	star quad in telephone cables for larger distance
Dreier	three cores in triple stranded	St III	star quad in local cables
E	copper drain wire	(St)	static screen
E(e)	protective covering of viscous compound with embedded layer of plastic tape	Staku	copper clad steel wire
e	single wire, solid	Staku-Li	copper clad steel stranded wires
F	cable cores assembly with petrol-jelly	...t	termite protection
F	foil wrapping	T	supporting element for overhead cable
F	flat cable	T-	fan out cable
F	star quad for railway cable	TF	carrier frequency of pairs or quads triple
F	star quad for phantom circuits	TiC	triple in copper wire braid
(F..)	flat wire armouring... thickness in mm	TiMF	triple in metal foil
OF	jelly filled cable core, filling compound of hard substances	U	braiding of textile fibres
FR	flame retardant	VGD	gold-plated
f	flexible, fine wire stranding	VN	nickel-plated; VS silver-plated
ff	extra fine wire stranding	VZK	galvanized; VZN tinned
G	insulation or sheath material of rubber (NR) or (SBR)	W	corrugated steel sheath
G-	Mining cable	W	high heat resistant
GJ	Mining cable with induction protection	W	corrugated steel sheath
GS	glass fibre whipping or braiding	X	cross-linked polyvinylchlorid (X-PVC) or other materials
2G	insulation or jacket of silicone rubber, (SIR)	XPE	cross-linked polyethylene (X-PE)
3G	insulation or jacket of ethylene propylene rubber, (EPR)	2X	cross-linked polyethylene
4G	insulation or jacket of ethylene vinylacetate rubber (EVA)	7X	cross-linked Ethylentetrafluorethylen (X-ETFE)
5G	insulation or jacket of chloroprene rubber (CR)	10X	cross-linked Polyvinylidenfluorid (X-PVDF)
6G	insulation or jacket of chlorosulphonated polyethylene (CSM), Hypalon	Y	PVC, polyvinylchloride
7G	insulation or jacket of Flouroelastomer (FKM)	Yu	PVC, polyvinylchloride, non-flammable, flame-retardant
8G	insulation or jacket of Nitrile rubber (NBR)	Yv	PVC, polyvinylchloride, with reinforced sheath
9G	PE-C rubber (CM)	YV	Equipment wires with tinned conductor
53G	CM, chlorinated Polyethylene	Yw	PVC, polyvinylchlorid, heat resistant upto 90°C
H	insulation or jacket of halogen-free compound	2Y	Polyethylene (PE)
H	Harmonized Documents	2Yv	Polyethylene, reinforced sheath
(H..)	maximal value of mutual capacitance (nF / km)	02Y	Cellular polyethylene
(HS)	semi-conducting tape of layer	02YS	insulation of cellular polyethylene with outer PE-skin
HX	cross-linked, halogen-free polymer compound	2YHO	insulation of air-spaced polyethylene
...IMF	individual stranding element (pairs or single cores etc.) in metal foil and drain wire	3Y	insulation polystyrene (PS), Styroflex
IMF	several stranding elements in metalfoil and drain wire	4Y	insulation or jacket of polyamide (PA)
-J	cable with green-yellow earth core	5Y	insulation or jacket of polytetrafluorethylene (PTFE), HELUFLON®
-JZ	cable with green-yellow earth core and cores with imprinted numbers	5YX	Perfluoralkoxy (PFA)
K	copper-tape	6Y	Perfluoroethylene-propylene (FEP), HELUFLON®
(K)	inner sheath and longitudinally folded copper tape	7Y	insulation or jacket of ethylentetrafluorethylen (ETFE)
LA	tinsel conductor (flat copper wire stranded over the thread of synthetic fibres)	8Y	insulation of polyimid (PI), Kapton®
LD	corrugated aluminium sheath	9Y	polypropylen (PP)
Lg	in layers stranding	10Y	PVDF, Polyvinylidene fluoride
Li	stranded wires conductor	11Y	polyurethan (PUR)
(LY)	laminated sheath Al-tape and PVC-jacket	12Y	TPE-E, TPE
(LJ2Y)	laminated sheath Al-tape and PE-jacket	13Y	TPE-EE, TPE on base of Polyester-Ester
2L	double enamel coating as insulation	31Y	TPE-S, TPE on base of Polystyrol
M	plastic-sheath cable	41Y	TPE-A, TPE on base of Polyamide
M	lead sheath	51Y	PFA, Perfluor-Alkoxylalkane
Mz	alloyed lead sheath	71Y	ECTFE, Monochlorotrifluorethylen
(mS)	magnetic shield	91Y	TPE-O, TPE on base of Polyester-Ester
N	VDE standard	-Z	core imprinted with numbers
(N)	in adapted to VDE standard	Z	twin cable
NC	non-corrosiv, smoke-gase	(Z)	high-tensile braid of steel wires
NF	natural colour	(ZG)	high-tensile element of glass fibre yarn
		(ZN)	high-tensile of non-metallic elements