

# Code-designation-explanations for cables and insulated wire

A-	Outdoor cable	-OZ	cable without green-yellow earth core and cores with imprinted numbers	
A	approved national design	ö	oil-resistant	
AB	Outdoor cable with lighting protection	O2Y	Foam-PE, insulation (cellular PE)	
AD	Outdoor cable with differential protection	Q	Steel wire braiding	
AJ-	Outdoor cable with induction protection	(R...)	round wire, diameter in mm	
ASLH	self-supporting communication cables for high voltage overhead lines	RAGL-	Compensating cable for thermocoupling	
B	armouring	RD-	Rhenomatic cable	
B	spinning of textile yarn	RE	Computer cable	
b	armouring	RG-	Coaxial cable according MIL specification	
(1B...)	one layer of steel tape... thickness of the steel tape in mm	re	round, single wire	
(2B...)	two layers of steel tape... thickness of the steel tape in mm	rm	round, multiwire	
BD	unit-type stranding	RS-	computer switchboard cable	
BLK	bare copper-conductor without insulation	S	silk whipping	
BZ	bronze conductor	S	signal cables for railways	
C	screen of copper wire braiding	(S...)	nominal value of mutual capacitance (nF /km)	
C	screen of copper wire spinning	-S	signal cable for German Railway	
C	outer protection of jute and viscous compound	S-	Switchboard cable	
Cu	copper wire	SL	flexible sheathed cable	
(-Cu)	total cross-section of copper screens (mm <sup>2</sup> )	2S	two layers of silk whipping	
D	screen of copper wires	St	star quad for phantom circuits	
(D)	screen of helically applied copper wires	St I	star quad in telephone cables for larger distance	
DM	Dieselhorst-Martin quad	St III	star quad in local cables	
Dreier	three cores in triple stranded	(St)	static screen	
E	copper drain wire	Staku	copper clad steel wire	
E(e)	protective covering of viscous compound with embedded layer of plastic tape	Staku-Li	copper clad steel stranded wires	
e	single wire, solid	...t	termite protection	
F	cable cores assembly with petrol-jelly	T	supporting element for overhead cable	
F	foil wrapping	T-	fan out cable	
F	flat cable	TF	carrier frequency of pairs or quads triple	
F	star quad for railway cable	TiC	triple in copper wire braid	
F	star quad for phantom circuits	TiMF	triple in metal foil	
(F...)	flat wire armouring... thickness in mm	U	braiding of textile fibres	
OF	jelly filled cable core, filling compound of hard substances	VGD	gold-plated	
FR	flame retardant	VN	nickel-plated;	VS silver-plated
f	flexible, fine wire stranding	VZK	galvanized;	VZN tinned
ff	extra fine wire stranding	W	corrugated steel sheath	
G	insulation or sheath material of rubber (NR) or (SBR)	W	high heat resistant	
G-	Mining cable	W	corrugated steel sheath	
GJ	Mining cable with induction protection	X	cross-linked polyvinylchlorid (X-PVC) or other materials	
GS	glass fibre whipping or braiding	XPE	cross-linked polyethylene (X-PE)	
2G	insulation or jacket of silicone rubber, (SIR)	2X	cross-linked polyethylene	
3G	insulation or jacket of ethylene propylene rubber, (EPR)	7X	cross-linked Ethylentetrafluorethylen (X-ETFE)	
4G	insulation or jacket of ethylene vinylacetate rubber (EVA)	10X	cross-linked Polyvinylidenfluorid (X-PVDF)	
5G	insulation or jacket of chloroprene rubber (CR)	Y	PVC, polyvinylchloride	
6G	insulation or jacket of chlorosulphonated polyethylene (CSM), Hypalon	Yu	PVC, polyvinylchloride, non-flammable, flame-retardant	
7G	insulation or jacket of Fluoroelastomer (FKM)	Yv	PVC, polyvinylchloride, with reinforced sheath	
8G	insulation or jacket of Nitrile rubber (NBR)	YV	Equipment wires with tinned conductor	
9G	PE-C rubber (CM)	Yw	PVC, polyvinylchlorid, heat resistant upto 90°C	
53G	CM, chlorinated Polyethylene	2Y	Polyethylene (PE)	
H	insulation or jacket of halogen-free compound	2Yv	Polyethylene, reinforced sheath	
H	Harmonized Documents	O2Y	Cellular polyethylene	
(H...)	maximal value of mutual capacitance (nF /km)	O2YS	insulation of cellular polyethylene with outer PE-skin	
(HS)	semi-conducting tape of layer	2YHO	insulation of air-spaced polyethylene	
HX	cross-linked, halogen-free polymer compound	3Y	insulation polystyrene (PS), Styroflex	
...IMF	individual stranding element (pairs or single cores etc.) in metal foil and drain wire	4Y	insulation or jacket of polyamide (PA)	
IMF	several stranding elements in metalfoil and drain wire	5Y	insulation or jacket of polytetrafluorethylen (PTFE), HELUFLO <sup>®</sup>	
-J	cable with green-yellow earth core	5YX	Perfluoroalkoxy (PFA)	
-JZ	cable with green-yellow earth core and cores with imprinted numbers	6Y	Perfluoroethylene-propylene (FEP), HELUFLO <sup>®</sup>	
K	copper-tape	7Y	insulation or jacket of ethylentetrafluorethylen (ETFE)	
(K)	inner sheath and longitudinally folded copper tape	8Y	insulation of polyimid (PI), Kapton <sup>®</sup>	
LA	tinsel conductor (flat copper wire stranded over the thread of synthetic fibres)	9Y	polypropylen (PP)	
LD	corrugated aluminium sheath	10Y	PVDF, Polyvinylidene fluoride	
Lg	in layers stranding	11Y	polyurethan (PUR)	
Li	stranded wires conductor	12Y	TPE-E, TPE	
(LY)	laminated sheath Al-tape and PVC-jacket	13Y	TPE-EE, TPE on base of Polyester-Ester	
(L)2Y	laminated sheath Al-tape and PE-jacket	31Y	TPE-S, TPE on base of Polystyrol	
2L	double enamel coating as insulation	41Y	TPE-A, TPE on base of Polyamide	
M	plastic-sheath cable	51Y	PFA, Perfluor-Alkoxylalkane	
M	lead sheath	71Y	ECTFE, Monochlorotrifluorethylen	
Mz	alloyed lead sheath	91Y	TPE-O, TPE on base of Polyester-Ester	
(mS)	magnetic shield	-Z	core imprinted with numbers	
N	VDE standard	Z	twin cable	
(N)	in adapted to VDE standard	(Z)	high-tensile braid of steel wires	
NC	non-corrosiv, smoke-gase	(ZG)	high-tensile element of glass fibre yarn	
NF	natural colour	(ZN)	high-tensile of non-metallic elements	
-O	cable without green-yellow earth core			