Designation code for telephone cables, jumper wires and stranded hook-up wires

Construction reference

Basic cable type with additional information

A	outdoor cable	**IE**	installation cable for industrial electronic
AB	outdoor cable with lightning protection requirements	**IE-H**	installation cable for industrial electronic, halogen-free
AJ	outdoor cable with induction protection requirements	**S**	switchboard cable
G	mining cable	**T**	distribution cable
I	installation cable	**YV/Li . . .**	jumper wires/hook-up wires

Insulation

P	dry paper	**3Y**	– Styroflex
Y	PVC (Polyvinylchloride)	**5Y**	– PTFE
2Y	PE (Polyethylene)	**6Y**	– FEP
02Y	foamed PE (cellular)	**7Y**	– ETFE
02YS	foam-skin insulation		

Screening

C	screen of braided copper wires	**(ms)**	magnetic screen steel tape
D	copper screen, helically stranded		
F	filling of cable core with petrol-jelly	**(St)**	screen of plastic coated metallic foil
(K)	screen of copper tape with PE-inner sheath	**(Z)**	high tensile steel wire braiding
(L)	aluminium tape		

Sheath Material

L	smooth aluminium sheath	**M**	lead sheath
(L)2Y	copolymer coated aluminium moisture barrier sheath	**Mz**	lead alloy sheath
LD	corrugated aluminium sheath	**W**	corrugated steel sheath

Protective coating

Y	PVC sheath	**2Y**	PE sheath
Yv	reinforced protective sheath of PVC	**2Yv**	reinforced protective PE sheath
Yw	PVC sheath heat-resistant	**E**	compound with embeded plastic tape
Yu	PVC flame resistant (non-flammable)	**C**	protective covering of jute and compound

Number of stranding elements

. . x1x	single core	**. . x4x**	quad
. . x2x	pair (double cores)	**. . x5x**	five-core
. . x3x	triple		

Conductor diameter in mm

Type of stranding components

F	star quad with phantom circuit in railway cables	**St V**	star quad for transmission of f = 550 kHz
S	signal core in railway signal cable	**St VI**	star quad for transmission of f = 17 MHz
StO	star quad general	**DM**	Dieselhorst-Martin quad
St	star quad with phantom circuit for long distance	**TF**	carrier frequency star quad
St I	star quad without phantom circuit	**P**	twisted pair
St II	star quad like St III, but with increased capacitance unbalances	**PiMF**	pair in metal foil
St III	star quad in local (Subscriber) cable	**ViMF**	quad in metal foil
St IV	star quad for transmission of f = 120 kHz	**BdiMF**	unit in metal foil
		Kx	coaxial cable

Stranding layout

Lg	layer stranding concentric
Bd	unit stranding

Armouring wire

A	layer of Al-wires for inductive protection	**2B 0,5**	2 layers steel tape, thickness 0,5 mm
b	armouring	**D**	layer of copper wires for inductive protection
B	armouring of steel band for inductive protection	**(T)**	strain bearing of steel wires for aerial cable
1B 0,3	1 layer steel tape, thickness 0,3 mm		