

Armoured cables acc. to BS5308

Armoured, instrumentation, control and communication cables



Cable structure PART1, TYPE2

- Cross-section of stranded copper core up to 0,75 qmm according. to class 5, from 1,5 qmm according to class 2
- Core insulation PE
- Pairs stranded in layers with optimal lay-length
- Color code according to BS5308 PART1 or PART2
- Collective Al-PET foil screen with drain wire
- Inner sheath PE
- Galvanised steel wire armour (SWA)
- Outer sheath PVC
- Self-extinguishing and flame-retardant according to BS4066 PT1 and IEC332 PT1 (bunched cables according to BS4066 PT3 and IEC 332 PT3)
- Outer sheath color is black or blue

Cable structure PART2, TYPE2

Cable structure is the same as PART1, TYPE2 only insulation of core is PVC

Cable structure PART1, TYPE2 LSOH

Cable structure is the same as PART1, TYPE2 only inner sheath and outer sheath are halogenfree.

Technical data

- Armoured, screened communication cable according to BS5308
- **Temperature of installation** from 0 °C to +70 °C
- **Minimum bending radius** approx. 6× cable diameter
- Color code according to BS5308 PART1 and BS5308 PART2

Application

These cables are suitable for outdoor installation, underground, in water as well as in cable ducts. They can be used in power stations, petrochemical industry and everywhere where mechanical damages may occur to the cable. In the last column of the table are dimensions of special glands for armour cables suitable for indoor as well as outdoor industry areas including hazardous areas with the possibility of explosion.

Note:

Conforms to RoHS.

Part No. PART 1	Part No. PART 2	core cross-section [mm²]	Stranded core	No. of pairs	Approx. outer Ø [mm]	Approx. cable weight [kg/km]	Size of gland [mm]
KC7118	KC7318	0,5	16/0,20	1	10,8	250	20/16
KC7119	KC7319	0,5	16/0,20	2	11,7	300	20/16
KC7120	KC7320	0,5	16/0,20	5	17,3	560	20
KC7121	KC7321	0,5	16/0,20	10	22,3	970	25
KC7122	KC7322	0,5	16/0,20	20	28,5	1640	32
KC7123	KC7323	0,5	16/0,20	30	33,3	2110	40
KC7124	KC7324	0,5	16/0,20	50	41,5	3270	50S
KC7125	KC7325	0,5	16/0,20	1 triple	11,0	276	20/16
KC7155	KC7355	0,75	24/0,20	1	11,1	280	20/16
KC7156	KC7356	0,75	24/0,20	2	12,3	330	20/16
KC7157	KC7357	0,75	24/0,20	5	19,2	750	20
KC7158	KC7358	0,75	24/0,20	10	24,7	1260	25
KC7159	KC7359	0,75	24/0,20	20	30,7	1890	32
KC7160	KC7360	0,75	24/0,20	30	36,9	2440	40
KC7161	KC7361	0,75	24/0,20	50	46,4	3890	50
KC7162	KC7362	0,75	24/0,20	1 triple	11,4	307	20/16
KC7189	KC7389	1,5	7/0,53	1	12,3	330	20/16
KC7190	KC7390	1,5	7/0,53	2	13,7	420	20S
KC7191	KC7391	1,5	7/0,53	5	21,5	940	25
KC7192	KC7392	1,5	7/0,53	10	27,8	1050	32
KC7193	KC7393	1,5	7/0,53	20	35,1	2400	40
KC7194	KC7394	1,5	7/0,53	30	41,9	3120	50S
KC7195	KC7395	1,5	7/0,53	50	53,4	5310	63S
KC7196	KC7396	1,5	7/0,53	1 triple	12,6	376	20/16
KC7208	KC7408	2,5	7/0,67	1	13,1	395	20S
KC7209	KC7409	2,5	7/0,67	2	15,9	490	20
KC7210	KC7410	2,5	7/0,67	5	26,5	1430	32
KC7211	KC7411	2,5	7/0,67	10	35,1	2235	40
KC7212	KC7412	2,5	7/0,67	20	46,7	3935	50
KC7213	KC7413	2,5	7/0,67	1 triple	13,7	407	20S

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Color coded cores according to BS 5308 PART 1, BS 5308 PART 2

BS 5308 PART 1

Pair No.	A core	B core	Pair No.	A core	B core
1	black	blue	26	white	yellow
2	black	green	27	red	yellow
3	blue	green	28	orange	yellow
4	black	brown	29	black	grey
5	blue	brown	30	blue	grey
6	green	brown	31	green	grey
7	black	white	32	brown	grey
8	blue	white	33	white	grey
9	green	white	34	red	grey
10	brown	white	35	orange	grey
11	black	red	36	yellow	grey
12	blue	red	37	black	violet
13	green	red	38	blue	violet
14	brown	red	39	green	violet
15	white	red	40	brown	violet
16	black	orange	41	white	violet
17	blue	orange	42	red	violet
18	green	orange	43	orange	violet
19	brown	orange	44	yellow	violet
20	white	orange	45	grey	violet
21	red	orange	46	black	turquoise
22	black	yellow	47	blue	turquoise
23	blue	yellow	48	green	turquoise
24	green	yellow	49	brown	turquoise
25	brown	yellow	50	white	turquoise

For individual screened pairs, identification will be Black/Blue numbered pairs.
Two pair collectively screened cables are in quad formation colour coded in rotation, Black, Blue, Green, Brown..Single triple will be Black, Blue, Turquoise.

BS 5308 PART 2

Pair No.	A core	B core	Pair No.	A core	B core
1	white	blue	26	red-blue	blue
2	white	orange	27	red-blue	orange
3	white	green	28	red-blue	green
4	white	brown	29	red-blue	white
5	white	grey	30	red-blue	brown
6	red	blue	31	blue-black	blue
7	red	orange	32	blue-black	orange
8	red	green	33	blue-black	green
9	red	brown	34	blue-black	brown
10	red	grey	35	blue-black	grey
11	black	blue	36	yellow-blue	blue
12	black	orange	37	yellow-blue	orange
13	black	green	38	yellow-blue	green
14	black	brown	39	yellow-blue	brown
15	black	grey	40	yellow-blue	grey
16	yellow	blue	41	white-orange	blue
17	yellow	orange	42	white-orange	orange
18	yellow	green	43	white-orange	green
19	yellow	brown	44	white-orange	brown
20	yellow	grey	45	white-orange	grey
21	white-blue	blue	46	orange-red	blue
22	white-blue	orange	47	orange-red	orange
23	white-blue	green	48	orange-red	green
24	white-blue	brown	49	orange-red	brown
25	white-blue	grey	50	orange-red	grey

For individual screened pairs, identification will be White/Blue numbered pairs.
Two pair collectively screened cables are in quad formation colour coded in rotation Blue, Green, Orange, Brown..Single triple will be Blue, White, Green.

Futher types of cables according to BS (British Standard) are available on request.