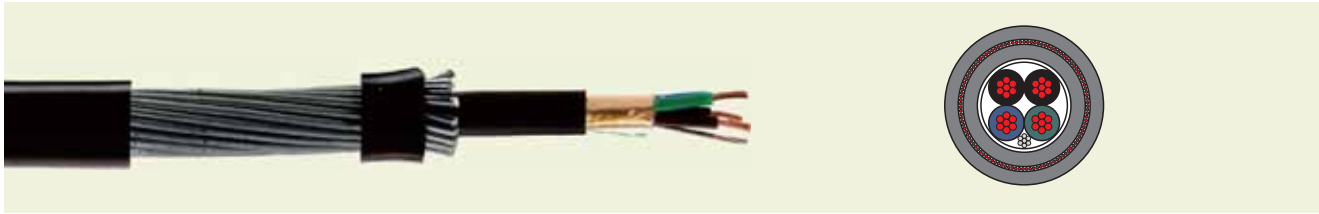


BS 5308 Instrumentation Cable



Technical data

- **Temperature range**
Fixed: -30 °C to + 70 °C
Flexing: -5 °C to + 50 °C
- **Nominal voltage:** 300/500 V

Cable structure

- **Conductor:** stranded bare copper
- **Insulation:** PE/XLPE
- **Drain wire:** tinned copper
- **Filler Core:** Unspecified material
- **Screen:** Al-PET
- **Bedding:** PE
- **Armoring:** Steel wire armoring
- **Sheath:** PVC/ LSZH

Application

BS 5308 instrumentation cable is used for connecting cables for the instruments and other electrical equipment. The shielded feature makes it suitable for the voice and data transmission. And the armoring version is suitable for outdoor usage.

BS 5308 PT1 TY1 collectively screened

NO. Pairs x Cross-sec. mm ²	Conductor Construction NO. x mm	Outer Diameter mm	Cable Weight kg/km
1 x 0.50	16 x 0.20	7.0	60
1 x 0.75	24 x 0.20	7.3	75
1 x 1.00	1 x 1.30	7.4	85
1 x 1.50	7 x 0.53	8.3	100
2 x 0.50	16 x 0.20	7.9	80
2 x 0.75	24 x 0.20	8.3	100
2 x 1.00	1 x 1.13	8.4	115
2 x 1.50	7 x 0.53	9.7	150
5 x 0.50	16 x 0.20	13.1	210
5 x 0.75	24 x 0.20	14.3	250
5 x 1.00	1 x 1.13	14.2	290
5 x 1.50	7 x 0.53	16.4	360
10 x 0.50	16 x 0.20	17.2	340
10 x 0.75	24 x 0.20	18.7	450
10 x 1.00	1 x 1.13	18.4	500
10 x 1.50	7 x 0.53	21.6	690
20 x 0.50	16 x 0.20	22.3	570
20 x 0.75	24 x 0.20	24.5	920
20 x 1.00	1 x 1.13	24.4	950
20 x 1.50	7 x 0.53	28.5	1230

BS 5308 Instrumentation Cable

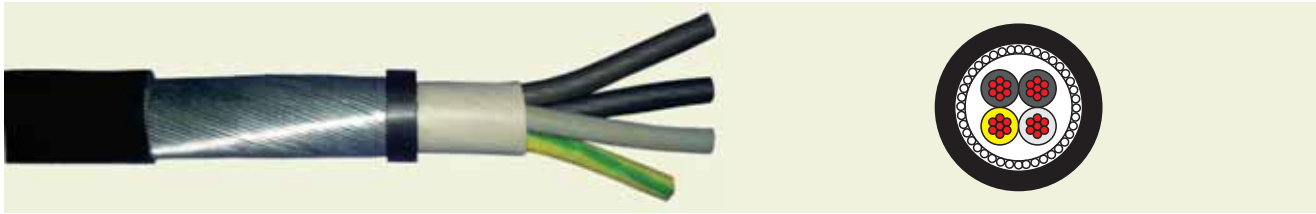
BS 5308 PT1 TY1 individually and collectively screened

NO. Pairs x Cross-sec. mm ²	Conductor Construction NO. x mm	Outer Diameter mm	Cable Weight kg/km
2 x 0.50	16 x 0.20	12.0	100
2 x 0.75	24 x 0.20	12.8	190
2 x 1.00	1 x 1.30	12.8	200
2 x 1.50	7 x 0.53	14.7	250
5 x 0.50	16 x 0.20	15.2	250
5 x 0.75	24 x 0.20	16.3	270
5 x 1.00	1 x 1.13	16.2	290
5 x 1.50	7 x 0.53	18.8	460
10 x 0.50	16 x 0.20	21.1	480
10 x 0.75	24 x 0.20	22.6	550
10 x 1.00	1 x 1.13	22.6	580
10 x 1.50	7 x 0.53	26.5	760
20 x 0.50	16 x 0.20	27.3	780
20 x 0.75	24 x 0.20	29.8	960
20 x 1.00	1 x 1.13	29.8	1010
20 x 1.50	7 x 0.53	34.4	1350

BS 5308 PT1 TY2 individually and collectively screened, armored

NO. Pairs x Cross-sec. mm ²	Conductor Construction NO. x mm	Armor Diameter mm	Outer Diameter mm	Cable Weight kg/km
2 x 0.50	16 x 0.20	12.0	16.8	460
2 x 0.75	24 x 0.20	12.8	17.6	500
2 x 1.00	1 x 1.13	12.8	17.6	510
2 x 1.50	7 x 0.53	14.7	20.4	730
5 x 0.50	16 x 0.20	15.2	20.9	760
5 x 0.75	24 x 0.20	16.3	22.0	920
5 x 1.00	1 x 1.13	16.2	21.9	950
5 x 1.50	7 x 0.53	18.8	25.4	1180
10 x 0.50	16 x 0.20	21.1	27.9	1300
10 x 0.75	24 x 0.20	22.6	29.5	1610
10 x 1.00	1 x 1.13	22.6	29.4	1330
10 x 1.50	7 x 0.53	26.5	33.5	1820
20 x 0.50	16 x 0.20	27.3	34.3	1870
20 x 0.75	24 x 0.20	29.8	37.8	2420

BS 5467 Power Cable



Technical data

- Special power cable acc. to british standard 5467
- **Temperature range**
flexing -10 °C to +90 °C
fixed installation -15 °C to +90 °C
- **Nominal voltage** 0.6/1 kV
- **Minimum bending radius**
6 x cable diameter

Cable structure

- Conductor: Stranded plain annealed copper
- Insulation: XLPE
- Bedding: PVC
- Armoring: Steel wire armor
- Sheath: PVC

Application

BS 5467 power cable is used as for industrial control and power application. The armoring feature makes it suitable for outdoor usage and in the area that requires the mechanical protection, such as under the earth application.

AWG-no.	NO. Cores x Cross-sec. mm ²	Insulation Diameter mm	Outer Diameter mm	Cable Weight kg/km
16	2 x 1.5	2.8	12.0	293
16	3 x 1.5	2.8	12.9	325
16	4 x 1.5	2.8	13.7	368
16	5 x 1.5	2.8	14.2	380
16	7 x 1.5	2.8	15.6	464
16	8 x 1.5	2.8	16.7	500
16	10 x 1.5	2.8	18.5	750
16	12 x 1.5	2.8	20.1	792
16	19 x 1.5	2.8	23.2	1030
16	27 x 1.5	2.8	27.7	1420
16	37 x 1.5	2.8	30.3	1750
16	48 x 1.5	2.8	32.5	2100

6	2 x 16	6.9	20.0	900
6	3 x 16	6.9	22.0	1100
6	4 x 16	6.9	23.6	1350
6	5 x 16	6.9	25.9	1750
6	7 x 16	6.9	28.5	2150

BS 6724 Power Cable



Technical data

- **Temperature range** 0 °C to +90 °C
- **Nominal voltage** 600/1000 V
- **Bending radius**
 1.5mm² - 16mm²: 6 x cable diameter
 25mm² and above: 8 x cable diameter

Cable structure

- Conductor: stranded bare copper
- Insulation: XLPE
- Bedding: LSZH
- Armoring: steel wire armoring
- Sheath: LSZH

Standards

- BS6724

Application

BS 6724 power cable is used as for industrial control and power application. The armoring feature makes it suitable for outdoor usage and in the area that requires the mechanical protection, such as under the earth application. And the LSZH sheath makes it suitable for usage where there is requirement for flame-resistance, low smoke emission and no toxic fumes when the cable are burnt in the event of fire.

BS 6724 XLPE/LSZH/SWA/LSZH

SWA Cable - BS6724 steel wire armored LSZH

NO. Cores x Cross-sec. mm ²	Insulation Thickness mm	Armor Diameter mm	Outer Diameter mm	Cable Weight kg/km
2 x 1.5	0.6	7.3	12.1	302
2 x 2.5	0.7	8.5	13.6	346
2 x 4.0	0.7	9.4	14.7	410
2 x 6.0	0.7	10.5	15.9	499
2 x 10.0	0.7	12.3	18.0	648
2 x 16.0	0.7	14.3	20.4	978
2 x 25.0	0.9	14.7	20.4	1290
2 x 35.0	0.9	16.8	23.3	1500
2 x 50.0	1.0	19.0	25.8	1890
2 x 70.0	1.1	22.0	29.0	2450
2 x 95.0	1.1	25.1	33.1	3300
2 x 150.0	1.4	30.9	39.3	4750
3 x 1.5	0.6	7.8	12.6	330
3 x 2.5	0.7	9.2	14.1	390
3 x 4.0	0.7	10.0	15.3	464
3 x 6.0	0.7	11.2	16.6	568
3 x 10.0	0.7	13.1	19.5	866
3 x 16.0	0.7	15.3	25.5	1152
3 x 25.0	0.9	18.9	21.6	1800
3 x 35.0	0.9	21.3	28.0	2230
3 x 50.0	1.0	21.7	28.5	2490
3 x 70.0	1.1	25.2	32.2	3290
3 x 95.0	1.1	28.8	37.0	4440

BS 6724 Power Cable

BS 6724 XLPE/LSZH/SWA/LSZH

SWA Cable - BS6724 steel wire armored LSZH

NO. Cores x Cross-sec. mm ²	Insulation Thickness mm	Armor Diameter mm	Outer Diameter mm	Cable Weight kg/km
4 x 1.5	0.6	8.5	13.5	365
4 x 2.5	0.7	9.9	15.0	438
4 x 4.0	0.7	11.0	16.4	532
4 x 6.0	0.7	12.3	18.7	764
4 x 10.0	0.7	14.5	21.1	1013
4 x 16.0	0.7	17.0	22.9	1360
4 x 25.0	0.9	21.0	27.6	2160
4 x 35.0	0.9	23.6	30.4	2690
4 x 50.0	1.0	25.0	32.0	3130
4 x 70.0	1.1	29.5	37.7	4500
4 x 95.0	1.1	33.3	41.7	5600
4 x 120.0	1.2	37.5	47.1	7400
4 x 150.0	1.4	41.6	51.4	8780
4 x 185.0	1.6	46.4	56.6	10630
4 x 240.0	1.7	52.6	63.0	13390
5 x 1.5	0.6	9.7	14.3	410
5 x 2.5	0.7	11.7	16.3	470
5 x 4.0	0.7	13.0	17.8	710
5 x 6.0	0.7	14.5	20.0	876
5 x 10.0	0.7	17.2	22.9	1165
5 x 16.0	0.7	20.0	26.6	1742
5 x 25.0	0.9	24.7	31.5	2323
5 x 35.0	0.9	27.8	34.8	2932
5 x 50.0	1.0	32.4	40.4	4192
7 x 1.5	0.6	10.2	15.2	470
7 x 2.5	0.7	12.3	17.1	600
12 x 1.5	0.6	13.7	19.4	780
12 x 2.5	0.7	16.3	22.4	1000
19 x 1.5	0.6	16.2	22.2	1000
19 x 2.5	0.7	19.9	26.6	1540
27 x 1.5	0.6	20.0	26.7	1500
27 x 2.5	0.7	24.0	30.7	1950
37 x 1.5	0.6	22.3	29.0	1800
37 x 2.5	0.7	26.9	33.8	2350

Aluminum Power Cable



Technical data

- Aluminum power and control cable
- **Temperature range**
flexing -5 °C to +50 °C
fixed installation -40°C to +70°C
- **Nominal voltage** 600/1000 V
- **Test voltage** 4000 V
- **Minimum bending radius**
15 x cable diameter

Cable structure

- Conductor: aluminum
- Insulation: PVC/XLPE
- Sheath: PVC

Properties

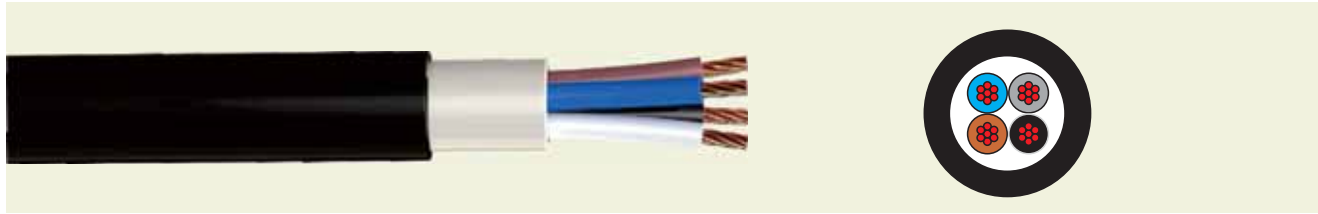
- PVC self-extinguishing and flame retardant according to 60332-1

Application

Aluminum power cable is used as power supplied cables. It can be installed in open air and in cable ducts.

AWG-No.	NO. Cores x Cross-sec. mm ²	Outer Diameter mm	Copper Weight kg/km	Cable Weight kg/km
2	1 x 35	13.0	102.0	240.0
1	1 x 50	15.0	145.0	360.0
2/0	1 x 70	16.5	203.0	410.0
3/0	1 x 95	19.0	276.0	570.0
4/0	1 x 120	20.5	348.0	691.0
6	4 x 16	23.0	186.0	750.0
4	4 x 25	26.0	290.0	950.0
2	4 x 35	28.5	406.0	1120.0
1	4 x 50	30.0	580.0	1151.0
2/0	4 x 70	35.0	812.0	1549.0
3/0	4 x 95	39.5	1102.0	2030.0
4/0	4 x 120	44.0	1392.0	2400.0

NYY Power Cable



Technical data

- NYY power and control cable
- **Temperature range**
flexing -5 °C to +50 °C
fixed installation -40 °C to +70 °C
- **Nominal voltage** 600/1000 V
- **Test voltage** 4000 V
- **Minimum bending radius**
for single core 15 x cable diameter
for multi-core 12 x cable diameter

Cable structure

- Conductor: plain copper
- Insulation: PVC
- Cores stranded concentrically
- Sheath: PVC

Properties

- PVC self-extinguishing and flame retardant according to 60332-1

Application

NYY power cable is used as power supplied cables. It can be installed in open air and in cable ducts.

AWG-No.	NO. Cores x Cross-sec. mm ²	Outer Diameter mm	Copper Weight kg/km	Cable Weight kg/km
12	1 x 4	9.0	38.0	115.0
10	1 x 6	9.5	58.0	135.0
8	1 x 10	10.0	96.0	179.0
6	1 x 16	11.0	154.0	245.0
4	1 x 25	12.0	240.0	360.0
2	1 x 35	13.0	336.0	470.0
1	1 x 50	15.0	480.0	620.0
2/0	1 x 70	16.5	672.0	810.0
3/0	1 x 95	19.0	912.0	1110.0
4/0	1 x 120	20.5	1152.0	1360.0

NYY Power Cable



AWG-No.	NO. Cores x Cross-sec. mm ²	Outer Diameter mm	Copper Weight kg/km	Cable Weight kg/km
16	2 x 1.5	11.2	29.0	175.0
14	2 x 2.5	12.0	48.0	215.0
12	2 x 4	14.0	77.0	295.0
10	2 x 6	15.0	115.0	370.0
8	2 x 10	16.5	192.0	495.0
6	2 x 16	18.5	307.0	670.0
4	2 x 25	23.5	480.0	960.0
16	3 x 1.5	11.5	43.0	195.0
14	3 x 2.5	12.5	72.0	250.0
12	3 x 4	14.0	115.0	340.0
10	3 x 6	15.0	173.0	430.0
8	3 x 10	17.0	288.0	590.0
6	3 x 16	19.0	461.0	820.0
4	3 x 25	24.0	720.0	1320.0
2	3 x 35	25.0	1008.0	1450.0
1	3 x 50	26.5	1440.0	1850.0
16	4 x 1.5	12.0	58.0	230.0
14	4 x 2.5	13.5	96.0	300.0
12	4 x 4	15.0	154.0	410.0
10	4 x 6	16.5	230.0	520.0
8	4 x 10	18.5	384.0	730.0
6	4 x 16	21.5	614.0	1045.0
4	4 x 25	26.0	960.0	1640.0
2	4 x 35	27.5	1344.0	1760.0
1	4 x 50	30.0	1920.0	2350.0
16	5 x 1.5	13.0	72.0	270.0
14	5 x 2.5	14.5	120.0	360.0
12	5 x 4	16.5	192.0	490.0
10	5 x 6	18.0	288.0	600.0
8	5 x 10	20.0	480.0	890.0
6	5 x 16	22.5	768.0	1255.0
4	5 G 25	28.0	1200.0	1960.0
2	5 G 35	34.0	1680.0	2400.0
1	5 G 50	40.0	2400.0	3500.0
16	7 x 1.5	15.5	101.0	310.0
14	7 G 2.5	16.5	168.0	450.0
12	7 G 4	18.5	269.0	640.0
10	7 x 6	20.0	403.0	850.0
8	7 x 10	23.5	672.0	1200.0
16	10 x 1.5	18.0	144.0	380.0
14	10 G 2.5	19.5	240.0	520.0
16	12 x 1.5	19.0	173.0	420.0
14	12 G 2.5	20.5	288.0	600.0
16	14 x 1.5	20.0	202.0	470.0
14	14 G 2.5	21.0	336.0	680.0