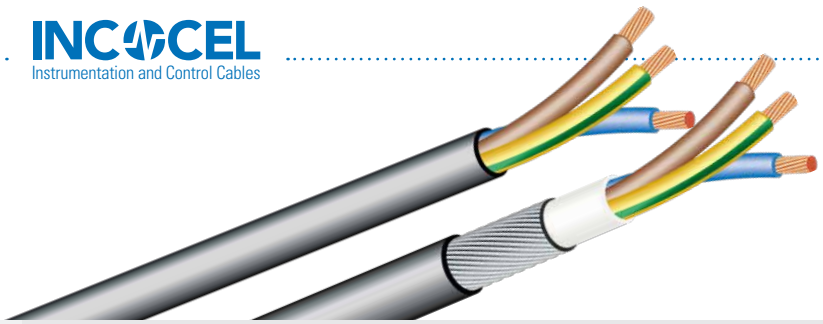
POWER CABLES
Multicore



NOT ARMOURED
XLPE/PVC
XLPE/LSZH

ARMOURED
XLPE/PVC/SWA/PVC
XLPE/LSZH/SWA/LSZH

APPLICATIONS
Used for transmission of electrical power. They can be installed as permanent wiring within buildings, industrial plants, buried in the ground, run overhead, or exposed.

OPERATING TEMPERATURE
-20 °C to +80 °C (for general use);
-40 °C to +90 °C (on request).

MINIMUM BENDING RADIUS
Not armoured type
12 times the outer diameter (for conductors class 2);
10 times the outer diameter (for conductors class 5).
Armoured type
15 times the outer diameter.

CABLE CONSTRUCTION
Conductors Plain annealed electrolytic copper wire according to EN 60228 class 2 (R) stranded, class 5 (F) flexible.

Insulation XLPE.

Cabling The insulated cores are cabled together, with suitable non hygroscopic fillers (when necessary) and wrapped with polyester tape if required.

Armoured
Inner sheath: PVC or LSZH thermoplastic material.
Armour: SWA - Single layer of galvanized steel wires
(GSTA - Double galvanized steel tape can be supplied as alternative).

Outer sheath PVC or LSZH thermoplastic material.

OPTION
Power cables can be designed also as
FIRECEL FIRE RESISTANT CABLES.

APPLICABLE STANDARDS
Basic design 60502-1
Flame retardant 60332-1
Fire retardant (cat. C or A according to requirements)
IEC 60332-3
Halogen free properties (only for LSZH cables)
IEC 60754-1
Low smoke emission (only for LSZH cables)
IEC 61034-2

IEC 60502-1 (0.6/1 kV)

	UNARMOURED		ARMOURED			Current rating in air at 30 °C (A)
Cross section (mm^2)	Outer diameter (mm)	Weight (kg/km)	Diameter under armour (mm)	Outer diameter (mm)	Weight (kg/km)	
stranded	R-XLPE/PVC		R-XLPE/PVC/SWA/PVC			
2x1.5	9.7	125	8.2	13.6	315	24
2x2.5	10.5	155	8.9	14.3	355	33
2x4	11.6	200	10.0	15.4	420	45
2x6	12.7	260	11.1	16.5	505	58
2x10	15.3	400	12.5	18.9	760	80
2x16	17.2	555	14.4	20.8	960	107
2x25	20.4	820	17.7	24.8	1435	142
2x35	22.5	1055	19.8	26.9	1730	175
2x50	25.0	1370	22.3	29.5	2120	212
2x70	28.9	1875	26.2	33.8	2785	270
2x95	32.5	2510	29.8	38.5	3795	327
2x120	37.0	3205	33.4	42.3	4570	379
2x150	40.8	3915	37.1	46.2	5410	435
2x185	44.7	4810	41.2	51.8	6935	496
3x1.5	10.2	145	8.6	14.0	345	22
3x2.5	11.0	185	9.6	14.9	390	30
3x4	12.2	240	10.7	16.0	475	40
3x6	13.4	315	11.9	17.2	570	52
3x10	16.1	485	13.5	19.7	865	71
3x16	18.1	685	15.5	21.7	1115	96
3x25	21.7	1030	19.2	26.1	1675	127
3x35	23.9	1330	21.4	28.4	2055	157
3x50	26.7	1740	24.2	31.3	2565	190
3x70	31.0	2425	28.8	36.9	3660	242
3x95	34.6	3260	32.2	40.8	4640	293
3x120	39.4	4145	36.2	45.0	5605	339
3x150	43.7	5085	40.6	50.8	7175	390
3x185	48.0	6270	44.7	55.1	8560	444
4x1.5	11.0	175	9.4	14.8	380	20
4x2.5	11.9	210	10.3	15.7	440	26
4x4	13.2	285	11.7	17.1	545	35
4x6	14.5	380	13.0	19.4	790	46
4x10	17.4	600	14.6	21	1010	63
4x16	19.7	850	17.0	24.1	1435	85
4x25	23.7	1275	21.0	28.2	1980	112
4x35	26.3	1675	23.5	30.9	2480	138
4x50	29.5	2215	26.6	34.2	3110	168
4x70	34.3	3090	31.6	40.5	4450	213
4x95	39.1	4210	35.6	44.7	5675	258
4x120	43.8	5305	40.3	50.9	7385	299
4x150	48.4	6480	44.6	55.5	8780	344
4x185	53.5	8060	49.2	60.5	10540	392
3X35/25	25.7	1570	22.9	30.1	2340	136
3X50/25	28.1	1960	25.4	32.7	2815	166
3X70/35	32.5	2720	30.0	38.7	4010	211
3X95/70	37.3	3725	33.7	42.6	5085	260
3X120/70	41.8	4735	38.1	47.4	6280	303
3X150/95	46.6	5900	42.8	53.4	8085	344
3X185/95	50.3	7050	46.4	57.4	9425	397

approximate values