



PAS 5308 PART 1 TYPE 1 I&O SCREEN LSZH 1KV

Cable	Instrument Cable
Standard	PAS 5308
Voltage	1KV
Description	Copper, Multi Pair, XLPE- Insulation, Individual & Collective Screen , LSZH Sheath
Cable type	PAS 5308 Part 1 Type 1 LSZH 1KV

Electrical data a 20°C

Conductor size	Nom	mm ²	1,5	2,5
Conductor resistance stranded / class 2	Max	Ω/km	12,1	7,41
and additional 2% of the maximum resistance has been allowed for cable of multipair construction				
Insulation resistance	Min.	MΩxkm		
Individual conductor			5000	
Individual screen			1	
Mutual capacitance 1kHz one pair, two pair and screen individually	Max.	nF/km	120	140
L/R Ratio	Max.	μH/Ω	40	60
Test voltage			V	
Ums core: core			3500	
Ums core: screen			3500	

Properties for cable

Code Colour	Black & Blue numbered pairs
Fire Resistant	N.A.
Flame Retardant	IEC 60332-3-22
Low Smoke Emission	IEC 61034-1-2 > 60%
Other Properties	
Minimum Bending Radius	6 X O.D.

Properties for outer sheath

Limiting Oxygen Index	LOI > 30%
Amount of halogen acid gas	IEC 60754-1 HCl<0.1%
Oil Resistance	ANSI/ICEA S-73-532 (4h, 70°C)
Sunlight Resistance	UL 1581 Section 1200
Temperature Installation	-15°C/50°C
Temperature Operating	-40°C/50°C



Nº Pairs	Cores	RT Insulation	RT Inner sheath	Ø over inner sheath	Ø of armour wire nom.	RT of outer sheath nom.	Overall diameter	Weight approx.	BTC CODE
uds	mm ² /uds	mm	mm	mm	mm	mm	mm	kgr/km	

2	1.5mm ² /7	0,7	-	-	-	1,0	12,87	174	P08P1T1I-2P1.5-283
3	1.5mm ² /7	0,7	-	-	-	1,0	13,75	225	P08P1T1I-3P1.5-283
4	1.5mm ² /7	0,7	-	-	-	1,0	15,15	280	P08P1T1I-4P1.5-283
5	1.5mm ² /7	0,7	-	-	-	1,1	16,91	333	P08P1T1I-5P1.5-283
10	1.5mm ² /7	0,7	-	-	-	1,4	23,10	634	P08P1T1I-10P1.5-283
12	1.5mm ² /7	0,7	-	-	-	1,4	24,19	735	P08P1T1I-12P1.5-283
15	1.5mm ² /7	0,7	-	-	-	1,5	26,88	906	P08P1T1I-15P1.5-283
20	1.5mm ² /7	0,7	-	-	-	1,6	30,72	1183	P08P1T1I-20P1.5-283
24	1.5mm ² /7	0,7	-	-	-	1,7	33,70	1430	P08P1T1I-24P1.5-283
30	1.5mm ² /7	0,7	-	-	-	1,8	37,41	1738	P08P1T1I-30P1.5-283
50	1.5mm ² /7	0,7	-	-	-	2,2	47,89	2855	P08P1T1I-50P1.5-283

2	2.5mm ² /7	0,7	-	-	-	1,0	14,40	226	P08P1T1I-2P2.5-283
3	2.5mm ² /7	0,7	-	-	-	1,0	15,39	299	P08P1T1I-3P2.5-283
4	2.5mm ² /7	0,7	-	-	-	1,1	17,20	387	P08P1T1I-4P2.5-283
5	2.5mm ² /7	0,7	-	-	-	1,2	19,18	461	P08P1T1I-5P2.5-283
10	2.5mm ² /7	0,7	-	-	-	1,5	26,18	880	P08P1T1I-10P2.5-283
12	2.5mm ² /7	0,7	-	-	-	1,5	27,43	1025	P08P1T1I-12P2.5-283
15	2.5mm ² /7	0,7	-	-	-	1,6	30,48	1266	P08P1T1I-15P2.5-283
20	2.5mm ² /7	0,7	-	-	-	1,8	35,04	1675	P08P1T1I-20P2.5-283
24	2.5mm ² /7	0,7	-	-	-	1,9	38,40	1994	P08P1T1I-24P2.5-283
30	2.5mm ² /7	0,7	-	-	-	2,0	42,62	2461	P08P1T1I-30P2.5-283
50	2.5mm ² /7	0,7	-	-	-	2,4	54,49	4037	P08P1T1I-50P2.5-283