

## PAS 5308 PART 1 TYPE 1 I&O SCREEN PVC 1KV

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

### Electrical data a 20°C

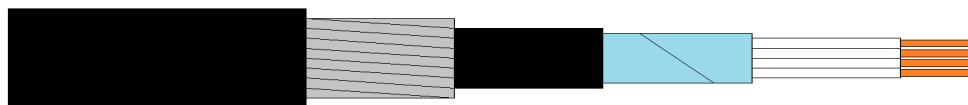
<b>Conductor size</b>	Nom	mm <sup>2</sup>	1,5	2,5
<b>Conductor resistance</b>	Max	Ω/km		
stranded / class 2			12,1	7,41
and additional 2% of the maximum resistance has been allowed for cable of multipair construction				
<b>Insulation resistance</b>	Min.	MΩxkm		
Individual conductor			5000	
Individual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

### Properties for cable

<b>Code Colour</b>	Black & Blue numbered pairs
<b>Fire Resistant</b>	N.A.
<b>Flame Retardant</b>	IEC 60332-3-24
<b>Low Smoke Emission</b>	N.A.
<b>Other Properties</b>	
<b>Minimum Bending Radius</b>	6 X O.D.

### Properties for outer sheath

<b>Limiting Oxygen Index</b>	N.A.
<b>Amount of halogen acid gas</b>	HCl<15%
<b>Oil Resistance</b>	N.A.
<b>Sunlight Resistance</b>	UL 1581 Section 1200
<b>Temperature Installation</b>	-5°C/50°C
<b>Temperature Operating</b>	-30°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 <sup>2</sup> /uds	mm	mm	mm	mm	mm	mm	kgr/km	

2	1.5mm <sup>2</sup> /7	0,7	-	-	-	1,0	12,87	181	P08P1T1B-2P1.5-283
3	1.5mm <sup>2</sup> /7	0,7	-	-	-	1,0	13,75	230	P08P1T1B-3P1.5-283
4	1.5mm <sup>2</sup> /7	0,7	-	-	-	1,0	15,15	285	P08P1T1B-4P1.5-283
5	1.5mm <sup>2</sup> /7	0,7	-	-	-	1,1	16,91	353	P08P1T1B-5P1.5-283
10	1.5mm <sup>2</sup> /7	0,7	-	-	-	1,4	23,10	644	P08P1T1B-10P1.5-283
12	1.5mm <sup>2</sup> /7	0,7	-	-	-	1,4	24,19	745	P08P1T1B-12P1.5-283
15	1.5mm <sup>2</sup> /7	0,7	-	-	-	1,5	26,88	918	P08P1T1B-15P1.5-283
20	1.5mm <sup>2</sup> /7	0,7	-	-	-	1,6	30,72	1198	P08P1T1B-20P1.5-283
24	1.5mm <sup>2</sup> /7	0,7	-	-	-	1,7	33,70	1427	P08P1T1B-24P1.5-283
30	1.5mm <sup>2</sup> /7	0,7	-	-	-	1,8	37,41	1759	P08P1T1B-30P1.5-283
50	1.5mm <sup>2</sup> /7	0,7	-	-	-	2,2	47,89	2886	P08P1T1B-50P1.5-283

2	2.5mm <sup>2</sup> /7	0,7	-	-	-	1,0	14,40	231	P08P1T1B-2P2.5-283
3	2.5mm <sup>2</sup> /7	0,7	-	-	-	1,0	15,39	304	P08P1T1B-3P2.5-283
4	2.5mm <sup>2</sup> /7	0,7	-	-	-	1,1	17,20	393	P08P1T1B-4P2.5-283
5	2.5mm <sup>2</sup> /7	0,7	-	-	-	1,2	19,18	486	P08P1T1B-5P2.5-283
10	2.5mm <sup>2</sup> /7	0,7	-	-	-	1,5	26,18	892	P08P1T1B-10P2.5-283
12	2.5mm <sup>2</sup> /7	0,7	-	-	-	1,5	27,43	1037	P08P1T1B-12P2.5-283
15	2.5mm <sup>2</sup> /7	0,7	-	-	-	1,6	30,48	1281	P08P1T1B-15P2.5-283
20	2.5mm <sup>2</sup> /7	0,7	-	-	-	1,8	35,04	1694	P08P1T1B-20P2.5-283
24	2.5mm <sup>2</sup> /7	0,7	-	-	-	1,9	38,40	2016	P08P1T1B-24P2.5-283
30	2.5mm <sup>2</sup> /7	0,7	-	-	-	2,0	42,62	2487	P08P1T1B-30P2.5-283
50	2.5mm <sup>2</sup> /7	0,7	-	-	-	2,4	54,49	4077	P08P1T1B-50P2.5-283