



PAS 5308 PART 1 TYPE 1 O SCREEN PVC 1KV

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

Electrical data a 20°C

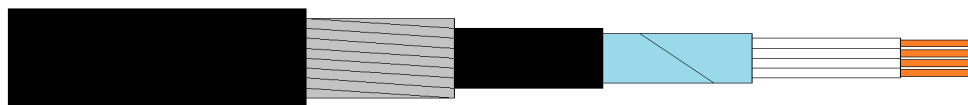
Conductor size	Nom	mm ²	1,5	2,5
Conductor resistance stranded / class 2	Max	Ω/km		
			12,1	7,41
and additional 2% of the maximum resistance has been allowed for cable of multipair construction				
Insulation resistance Individual conductor	Min.	MΩxkm		
			5000	
Mutual capacitance 1kHz one pair, two pair and screen individually	Max.	nF/km		
All other cables			120	140
			85	105
L/R Ratio	Max.	μH/Ω	40	60
Test voltage			V	
Ums core: core			3500	
Ums core: screen			3500	

Properties for cable

Code Colour	PAS 5308 Part 1 Appendix A
Fire Resistant	N.A.
Flame Retardant	IEC 60332-3-24
Low Smoke Emission	N.A.
Other Properties	
Minimum Bending Radius	6 X O.D.

Properties for outer sheath

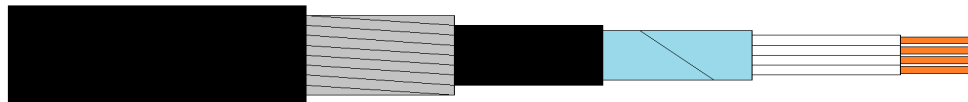
Limiting Oxygen Index	N.A.
Amount of halogen acid gas	HCl<15%
Oil Resistance	N.A.
Sunlight Resistance	UL 1581 Section 1200
Temperature Installation	-5°C/50°C
Temperature Operating	-30°C/50°C



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 ² /uds	mm	mm	mm	mm	mm	mm	kg/km	

1	1.5mm ² /7	0,7	-	-	-	0,8	7,80	101	P08P1T1B-1P1.5-281
1 (triple)	1.5mm ² /7	0,7	-	-	-	0,9	8,44	122	P08P1T1B-1T1.5-281
2 (quad)	1.5mm ² /7	0,7	-	-	-	0,9	9,21	148	P08P1T1B-1Q1.5-281
3	1.5mm ² /7	0,7	-	-	-	1,0	13,17	202	P08P1T1B-3P1.5-281
4	1.5mm ² /7	0,7	-	-	-	1,1	14,70	258	P08P1T1B-4P1.5-281
5	1.5mm ² /7	0,7	-	-	-	1,2	16,37	317	P08P1T1B-5P1.5-281
10	1.5mm ² /7	0,7	-	-	-	1,3	21,88	543	P08P1T1B-10P1.5-281
12	1.5mm ² /7	0,7	-	-	-	1,4	23,11	639	P08P1T1B-12P1.5-281
15	1.5mm ² /7	0,7	-	-	-	1,5	25,67	787	P08P1T1B-15P1.5-281
20	1.5mm ² /7	0,7	-	-	-	1,5	29,12	1007	P08P1T1B-20P1.5-281
24	1.5mm ² /7	0,7	-	-	-	1,6	31,97	1200	P08P1T1B-24P1.5-281
30	1.5mm ² /7	0,7	-	-	-	1,7	35,51	1479	P08P1T1B-30P1.5-281
50	1.5mm ² /7	0,7	-	-	-	2,0	45,28	2405	P08P1T1B-50P1.5-281

1	2.5mm ² /7	0,7	-	-	-	0,8	8,70	134	P08P1T1B-1P2.5-281
1 (triple)	2.5mm ² /7	0,7	-	-	-	0,9	9,41	164	P08P1T1B-1T2.5-281
2 (quad)	2.5mm ² /7	0,7	-	-	-	0,9	10,29	201	P08P1T1B-1Q2.5-281
3	2.5mm ² /7	0,7	-	-	-	1,0	14,81	273	P08P1T1B-3P2.5-281
4	2.5mm ² /7	0,7	-	-	-	1,1	16,54	352	P08P1T1B-4P2.5-281
5	2.5mm ² /7	0,7	-	-	-	1,2	18,44	435	P08P1T1B-5P2.5-281
10	2.5mm ² /7	0,7	-	-	-	1,4	24,96	780	P08P1T1B-10P2.5-281
12	2.5mm ² /7	0,7	-	-	-	1,5	26,35	920	P08P1T1B-12P2.5-281
15	2.5mm ² /7	0,7	-	-	-	1,6	29,27	1135	P08P1T1B-15P2.5-281
20	2.5mm ² /7	0,7	-	-	-	1,7	33,45	1481	P08P1T1B-20P2.5-281
24	2.5mm ² /7	0,7	-	-	-	1,8	36,67	1764	P08P1T1B-24P2.5-281
30	2.5mm ² /7	0,7	-	-	-	1,9	40,71	2175	P08P1T1B-30P2.5-281
50	2.5mm ² /7	0,7	-	-	-	2,3	52,09	3569	P08P1T1B-50P2.5-281



Appendix A

1 Triad Cable	1	Black	Blue	Green
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1 Quad Cable	1	Black	Blue	Green	Brown
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1 Pair Cables to 50 Pair Cables	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