

## PAS 5308 PART 1 TYPE 2 O SCREEN PVC 1KV

Cable	<b>Instrument Cable</b>
Standard	<b>PAS 5308</b>
Voltage	<b>1KV</b>
Description	<b>Copper, Single &amp; Multi Pair, PE- Insulation, Collective, PE Inner Sheath, Armour, PVC Sheath</b>
Cable type	<b>PAS 5308 Part 1 Type 2 1 KV</b>

### Electrical data a 20°C

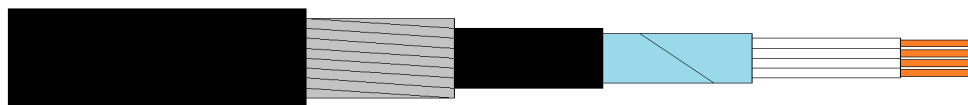
<b>Conductor size</b>	Nom	mm <sup>2</sup>	1,5	2,5
<b>Conductor resistance</b> stranded / class 2	Max	Ω/km	12,1	7,41
and additional 2% of the maximum resistance has been allowed for cable of multipair construction				
<b>Insulation resistance</b> Individual conductor	Min.	MΩxkm	5000	
<b>Mutual capacitance 1kHz</b> one pair, two pair and screen individually	Max.	nF/km	120	140
All other cables			85	105
<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>	PAS 5308 Part 1 Appendix A
<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

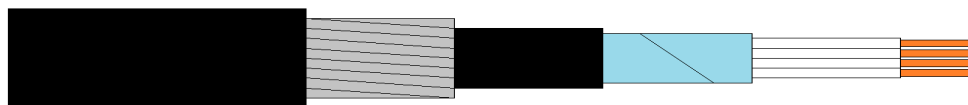
<b>Limiting Oxygen Index</b>	N.A.
<b>Amount of halogen acid gas</b>	HCl<15%
<b>Oil Resistance</b>	N.A.
<b>Sunlight Resistance</b>	UL 1581 Section 1200
<b>Temperature Installation</b>	-5°C/50°C
<b>Temperature Operating</b>	-30°C/50°C



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	

1	1.5mm <sup>2</sup> /7	0,7	0,8	7,80	0,9	1,4	12,40	300	P08P1T2B-1P1.5-281
1 (triple)	1.5mm <sup>2</sup> /7	0,7	0,9	8,44	0,9	1,4	13,04	337	P08P1T2B-1T1.5-281
2 (quad)	1.5mm <sup>2</sup> /7	0,7	0,9	9,21	0,9	1,4	13,81	377	P08P1T2B-1Q1.5-281
3	1.5mm <sup>2</sup> /7	0,7	1,0	13,17	0,9	1,4	17,77	519	P08P1T2B-3P1.5-281
4	1.5mm <sup>2</sup> /7	0,7	1,1	14,70	1,25	1,5	20,20	722	P08P1T2B-4P1.5-281
5	1.5mm <sup>2</sup> /7	0,7	1,2	16,37	1,25	1,6	22,07	840	P08P1T2B-5P1.5-281
10	1.5mm <sup>2</sup> /7	0,7	1,3	21,88	1,6	1,8	28,68	1416	P08P1T2B-10P1.5-281
12	1.5mm <sup>2</sup> /7	0,7	1,4	23,11	1,6	1,8	29,91	1551	P08P1T2B-12P1.5-281
15	1.5mm <sup>2</sup> /7	0,7	1,5	25,67	1,6	1,9	32,67	1815	P08P1T2B-15P1.5-281
20	1.5mm <sup>2</sup> /7	0,7	1,5	29,12	1,6	2,0	36,32	2183	P08P1T2B-20P1.5-281
24	1.5mm <sup>2</sup> /7	0,7	1,6	31,97	2	2,0	39,97	2738	P08P1T2B-24P1.5-281
30	1.5mm <sup>2</sup> /7	0,7	1,7	35,51	2	2,1	43,71	3194	P08P1T2B-30P1.5-281
50	1.5mm <sup>2</sup> /7	0,7	2,0	45,28	2,5	2,4	55,08	5075	P08P1T2B-50P1.5-281

1	2.5mm <sup>2</sup> /7	0,7	0,8	8,70	0,9	1,4	13,30	352	P08P1T2B-1P2.5-281
1 (triple)	2.5mm <sup>2</sup> /7	0,7	0,9	9,41	0,9	1,4	14,01	398	P08P1T2B-1T2.5-281
2 (quad)	2.5mm <sup>2</sup> /7	0,7	0,9	10,29	0,9	1,4	14,89	455	P08P1T2B-1Q2.5-281
3	2.5mm <sup>2</sup> /7	0,7	1,0	14,81	1,25	1,5	20,31	742	P08P1T2B-3P2.5-281
4	2.5mm <sup>2</sup> /7	0,7	1,1	16,54	1,25	1,6	22,24	880	P08P1T2B-4P2.5-281
5	2.5mm <sup>2</sup> /7	0,7	1,2	18,44	1,25	1,7	24,34	1023	P08P1T2B-5P2.5-281
10	2.5mm <sup>2</sup> /7	0,7	1,4	24,96	1,6	1,9	31,96	1790	P08P1T2B-10P2.5-281
12	2.5mm <sup>2</sup> /7	0,7	1,5	26,35	1,6	2,0	33,55	1989	P08P1T2B-12P2.5-281
15	2.5mm <sup>2</sup> /7	0,7	1,6	29,27	1,6	2,0	36,47	2306	P08P1T2B-15P2.5-281
20	2.5mm <sup>2</sup> /7	0,7	1,7	33,45	2	2,1	41,65	3100	P08P1T2B-20P2.5-281
24	2.5mm <sup>2</sup> /7	0,7	1,8	36,67	2	2,2	45,07	3532	P08P1T2B-24P2.5-281
30	2.5mm <sup>2</sup> /7	0,7	1,9	40,71	2	2,3	49,31	4156	P08P1T2B-30P2.5-281
50	2.5mm <sup>2</sup> /7	0,7	2,3	52,09	2,5	2,6	62,29	6630	P08P1T2B-50P2.5-281



**Appendix A**

<b>1 Triad Cable</b>	<b>1</b>	Black	Blue	Green
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<b>1 Quad Cable</b>	<b>1</b>	Black	Blue	Green	Brown
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<b>1 Pair Cables to 50 Pair Cables</b>	<b>1</b>	Black	Blue	<b>26</b>	White	Yellow
	<b>2</b>	Black	Green	<b>27</b>	Red	Yellow
	<b>3</b>	Blue	Green	<b>28</b>	Orange	Yellow
	<b>4</b>	Black	Brown	<b>29</b>	Black	Grey
	<b>5</b>	Blue	Brown	<b>30</b>	Blue	Grey
	<b>6</b>	Green	Brown	<b>31</b>	Green	Grey
	<b>7</b>	Black	White	<b>32</b>	Brown	Grey
	<b>8</b>	Blue	White	<b>33</b>	White	Grey
	<b>9</b>	Green	White	<b>34</b>	Red	Grey
	<b>10</b>	Brown	White	<b>35</b>	Orange	Grey
	<b>11</b>	Black	Red	<b>36</b>	Yellow	Grey
	<b>12</b>	Blue	Red	<b>37</b>	Black	Violet
	<b>13</b>	Green	Red	<b>38</b>	Blue	Violet
	<b>14</b>	Brown	Red	<b>39</b>	Green	Violet
	<b>15</b>	White	Red	<b>40</b>	Brown	Violet
	<b>16</b>	Black	Orange	<b>41</b>	White	Violet
	<b>17</b>	Blue	Orange	<b>42</b>	Red	Violet
	<b>18</b>	Green	Orange	<b>43</b>	Orange	Violet
	<b>19</b>	Brown	Orange	<b>44</b>	Yellow	Violet
	<b>20</b>	White	Orange	<b>45</b>	Grey	Violet
	<b>21</b>	Red	Orange	<b>46</b>	Black	Turquoise
	<b>22</b>	Black	Yellow	<b>47</b>	Blue	Turquoise
	<b>23</b>	Blue	Yellow	<b>48</b>	Green	Turquoise
	<b>24</b>	Green	Yellow	<b>49</b>	Brown	Turquoise
	<b>25</b>	Brown	Yellow	<b>50</b>	White	Turquoise