

Control and Instrumentation Cables

PAS/B55308 Part 2, Type 1 & 2

PVC Sheath

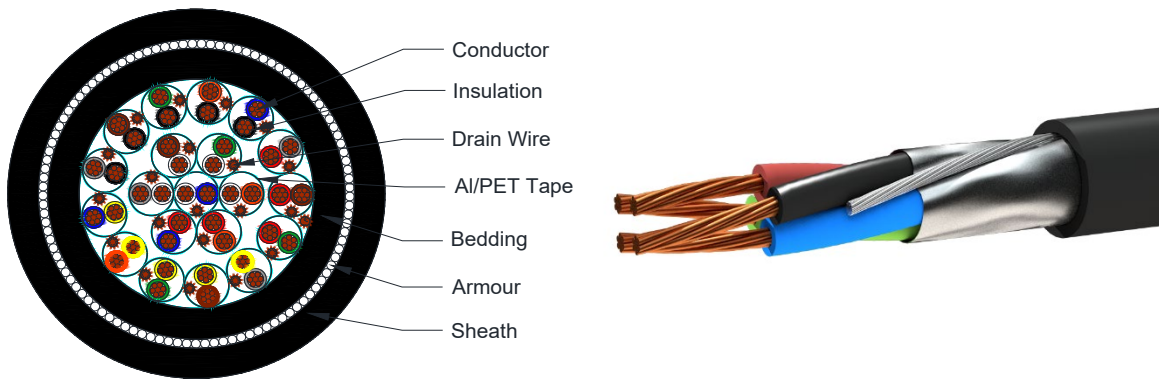


C3099 TO C3199 C3529 TO C3531, C3720 TO C3748

Applications

Process control, equipment interconnection, typically in chemical and petrochemical locations. The unarmoured versions (Type 1) are generally use for indoor installation and suitable for wet and damp areas. The armoured versions (Type 2) are generally used for outdoor applications and can be used in direct burial applications.

Cross Section Drawing



Design

| Unit | Properties |
|--|---|
| Conductor | Class2 or Class5 plain Copper Wire |
| Insulation | PVC |
| Twinning | Pair construction |
| Individual Screening (where requested) | Aluminum/Polyester tape with Tinned copper drain wire |
| Collective Screening | Aluminum/Polyester tape with Tinned copper drain wire |
| Bedding (where requested) | Flame Retardant PVC |
| Armour (where requested) | Galvanized Steel wire Armour |
| Outer Sheath Material | Flame Retardant PVC Standard Colour: Black |
| Standard Put Up Length | 305M or 500m |

*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

Control and Instrumentation Cables

PAS/B55308 Part 2, Type 1 & 2

PVC Sheath



C3099 TO C3106, C3107 TO C3116, C3117 TO C3125, C3738 TO C3743

Part 2: Type1: Collectively Screened Unarmoured

| P/N | Number of Pairs | Conductor Construction (sq mm) | Nom. Radial Thickness of Insulation (mm) | Drain wire cross section (sq mm) | Nom. Thickness of Jacket (mm) | Overall Diameter (mm) | Nom. Weight (kg/km) |
|-------|-----------------|--------------------------------|--|----------------------------------|-------------------------------|-----------------------|---------------------|
| C3099 | 1 | 0.5 (16*0.2) | 0.6 | 0.5 | 0.8 | 6.00 | 43.5 |
| C3100 | 2 | 0.5 (16*0.2) | 0.6 | 0.5 | 0.8 | 6.90 | 64.5 |
| C3101 | 5 | 0.5 (16*0.2) | 0.6 | 0.5 | 1.10 | 12.10 | 159.9 |
| C3102 | 10 | 0.5 (16*0.2) | 0.6 | 0.5 | 1.30 | 16.20 | 297.4 |
| C3103 | 15 | 0.5 (16*0.2) | 0.6 | 0.5 | 1.50 | 18.20 | 394.1 |
| C3104 | 20 | 0.5 (16*0.2) | 0.6 | 0.5 | 1.60 | 21.30 | 501.9 |
| C3105 | 30 | 0.5 (16*0.2) | 0.6 | 0.5 | 1.80 | 25.90 | 734.5 |
| C3106 | 50 | 0.5 (16*0.2) | 0.6 | 0.5 | 2.10 | 32.90 | 1170.6 |
| C3107 | 1 TRIPE | 0.5 (16*0.2) | 0.6 | 0.5 | 0.80 | 6.30 | 53.0 |
| C3108 | 1 | 0.75 (24*0.2) | 0.6 | 0.5 | 0.80 | 6.40 | 50.6 |
| C3109 | 2 | 0.75 (24*0.2) | 0.6 | 0.5 | 0.80 | 7.40 | 77.6 |
| C3110 | 5 | 0.75 (24*0.2) | 0.6 | 0.5 | 1.20 | 13.30 | 201.0 |
| C3111 | 10 | 0.75 (24*0.2) | 0.6 | 0.5 | 1.60 | 16.20 | 362.4 |
| C3112 | 15 | 0.75 (24*0.2) | 0.6 | 0.5 | 1.60 | 20.50 | 504.8 |
| C3113 | 20 | 0.75 (24*0.2) | 0.6 | 0.5 | 1.80 | 21.30 | 640.8 |
| C3114 | 30 | 0.75 (24*0.2) | 0.6 | 0.5 | 2.05 | 28.50 | 954.3 |
| C3115 | 50 | 0.75 (24*0.2) | 0.6 | 0.5 | 2.50 | 36.40 | 1546.1 |
| C3116 | 1 TRIPE | 0.75 (24*0.2) | 0.6 | 0.5 | 0.80 | 6.80 | 64.2 |
| C3117 | 1 | 1.50 (7*0.53) | 0.6 | 0.5 | 0.80 | 7.30 | 71.9 |
| C3118 | 2 | 1.50 (7*0.53) | 0.6 | 0.5 | 0.90 | 8.70 | 120.7 |
| C3738 | 4 | 1.50 (7*0.53) | 0.6 | 0.5 | 1.00 | 14.20 | 225.5 |
| C3119 | 5 | 1.50 (7*0.53) | 0.6 | 0.5 | 1.10 | 15.40 | 297.2 |
| C3739 | 6 | 1.50 (7*0.53) | 0.6 | 0.5 | 1.10 | 17.30 | 325.8 |
| C3740 | 8 | 1.50 (7*0.53) | 0.6 | 0.5 | 1.40 | 19.10 | 435.5 |
| C3120 | 10 | 1.50 (7*0.53) | 0.6 | 0.5 | 1.70 | 20.60 | 570.2 |
| C3741 | 12 | 1.50 (7*0.53) | 0.6 | 0.5 | 1.70 | 23.90 | 654.3 |
| C3121 | 15 | 1.50 (7*0.53) | 0.6 | 0.5 | 1.70 | 24.20 | 809.4 |
| C3122 | 20 | 1.50 (7*0.53) | 0.6 | 0.5 | 1.80 | 27.50 | 1032.6 |
| C3742 | 24 | 1.50 (7*0.53) | 0.6 | 0.5 | 1.90 | 32.50 | 1222.6 |
| C3123 | 30 | 1.50 (7*0.53) | 0.6 | 0.5 | 2.10 | 33.30 | 1517.2 |
| C3124 | 50 | 1.50 (7*0.53) | 0.6 | 0.5 | 2.50 | 42.60 | 2469.0 |
| C3125 | 1 TRIPE | 1.50 (7*0.53) | 0.6 | 0.5 | 0.80 | 7.80 | 94.3 |
| C3743 | 6 TRIPE | 1.50 (7*0.53) | 0.6 | 0.5 | 1.40 | 18.20 | 473.4 |

Control and Instrumentation Cables

PAS/B55308 Part 2, Type 1 & 2

PVC Sheath



Part 2: Type 1: Individually & Collectively Screened Unarmoured C3099 TO C3199 C3529 TO C3531, C3720 TO C3748

| P/N | Number of Pairs | Conductor Construction (sq mm) | Nom. Radial Thickness of Insulation (mm) | Drain wire cross section (sq mm) | Nom. Thickness of Jacket (mm) | Overall Diameter (mm) | Nom. Weight (kg/km) |
|-------|-----------------|--------------------------------|--|----------------------------------|-------------------------------|-----------------------|---------------------|
| C3126 | 2 | 0.5 (16*0.2) | 0.60 | 0.50 | 1.10 | 11.00 | 119.2 |
| C3127 | 5 | 0.5 (16*0.2) | 0.60 | 0.50 | 1.20 | 14.20 | 218.5 |
| C3128 | 10 | 0.5 (16*0.2) | 0.60 | 0.50 | 1.30 | 20.10 | 379.6 |
| C3129 | 15 | 0.5 (16*0.2) | 0.60 | 0.50 | 1.50 | 23.50 | 561.7 |
| C3130 | 20 | 0.5 (16*0.2) | 0.60 | 0.50 | 1.50 | 26.30 | 695.8 |
| C3131 | 30 | 0.5 (16*0.2) | 0.60 | 0.50 | 1.70 | 31.30 | 1004.7 |
| C3132 | 50 | 0.5 (16*0.2) | 0.60 | 0.50 | 2.20 | 40.70 | 1659.4 |
| C3133 | 2 | 0.75 (24*0.2) | 0.60 | 0.50 | 1.10 | 11.80 | 149.3 |
| C3134 | 5 | 0.75 (24*0.2) | 0.60 | 0.50 | 1.20 | 15.20 | 257.5 |
| C3135 | 10 | 0.75 (24*0.2) | 0.60 | 0.50 | 1.30 | 21.60 | 458.8 |
| C3136 | 15 | 0.75 (24*0.2) | 0.60 | 0.50 | 1.50 | 25.20 | 670.5 |
| C3137 | 20 | 0.75 (24*0.2) | 0.60 | 0.50 | 1.70 | 28.80 | 864.9 |
| C3138 | 30 | 0.75 (24*0.2) | 0.60 | 0.50 | 2.00 | 34.40 | 1263.5 |
| C3139 | 50 | 0.75 (24*0.2) | 0.60 | 0.50 | 2.20 | 43.90 | 2013.0 |
| C3195 | 1 | 1.50 (7*0.53) | 0.60 | 0.50 | 1.10 | 7.90 | 79.4 |
| C3140 | 2 | 1.50 (7*0.53) | 0.60 | 0.50 | 1.20 | 13.70 | 210.7 |
| C3199 | 3 | 1.50 (7*0.53) | 0.60 | 0.50 | 1.20 | 14.70 | 241.2 |
| C3196 | 4 | 1.50 (7*0.53) | 0.60 | 0.50 | 1.20 | 16.20 | 271.7 |
| C3141 | 5 | 1.50 (7*0.53) | 0.60 | 0.50 | 1.30 | 17.80 | 377.1 |
| C3197 | 6 | 1.50 (7*0.53) | 0.60 | 0.50 | 1.40 | 19.10 | 395.9 |
| C3142 | 10 | 1.50 (7*0.53) | 0.60 | 0.50 | 1.50 | 25.50 | 686.9 |
| C3198 | 12 | 1.50 (7*0.53) | 0.60 | 0.50 | 1.50 | 26.70 | 734.7 |
| C3143 | 15 | 1.50 (7*0.53) | 0.60 | 0.50 | 1.70 | 29.80 | 1004.3 |
| C3144 | 20 | 1.50 (7*0.53) | 0.60 | 0.50 | 1.70 | 33.40 | 1263.0 |
| C3746 | 24 | 1.50 (7*0.53) | 0.60 | 0.50 | 1.90 | 34.60 | 1337.9 |
| C3145 | 30 | 1.50 (7*0.53) | 0.60 | 0.50 | 2.00 | 40.00 | 1858.4 |
| C3146 | 50 | 1.50 (7*0.53) | 0.60 | 0.50 | 2.20 | 51.20 | 2992.5 |
| C3747 | 2 Triple | 1.50 (7*0.53) | 0.60 | 0.50 | 1.20 | 14.70 | 298.3 |
| C3748 | 6 Triple | 1.50 (7*0.53) | 0.60 | 0.50 | 1.40 | 21.20 | 588.7 |

Control and Instrumentation Cables

PAS/B55308 Part 2, Type 1 & 2

PVC Sheath



Part 2: Type2: Collectively Screened Armoured C3099 TO C3199 C3529 TO C3531, C3720 TO C3748

| P/N | Number of Pairs | Conductor Construction (sq mm) | Nom. Radial Thickness of Insulation | Drain wire cross section (sq mm) | Diameter of Bedding (mm) | Diameter of Armour (mm) | Nom. Thickness of Jacket (mm) | Overall Diameter (mm) | Nom. Weight (kg/km) |
|-------|-----------------|--------------------------------|-------------------------------------|----------------------------------|--------------------------|-------------------------|-------------------------------|-----------------------|---------------------|
| C3147 | 1 | 0.5 (16*0.2) | 0.60 | 0.50 | 6.00 | 7.80 | 1.30 | 10.40 | 203.7 |
| C3148 | 2 | 0.5 (16*0.2) | 0.60 | 0.50 | 6.90 | 8.70 | 1.30 | 11.30 | 245.2 |
| C3149 | 5 | 0.5 (16*0.2) | 0.60 | 0.50 | 12.1 | 13.90 | 1.50 | 16.90 | 477.7 |
| C3150 | 10 | 0.5 (16*0.2) | 0.60 | 0.50 | 16.20 | 18.70 | 1.60 | 21.90 | 873.9 |
| C3151 | 15 | 0.5 (16*0.2) | 0.60 | 0.50 | 18.80 | 22.00 | 1.70 | 25.40 | 1159.0 |
| C3152 | 20 | 0.5 (16*0.2) | 0.60 | 0.50 | 21.30 | 24.50 | 1.80 | 28.10 | 1460.3 |
| C3153 | 30 | 0.5 (16*0.2) | 0.60 | 0.50 | 25.90 | 29.10 | 1.90 | 32.90 | 1787.7 |
| C3154 | 50 | 0.5 (16*0.2) | 0.60 | 0.50 | 32.90 | 36.90 | 2.10 | 41.10 | 2790.4 |
| C3155 | 1 TRIPE | 0.5 (16*0.2) | 0.60 | 0.50 | 6.40 | 8.20 | 1.30 | 10.80 | 221.0 |
| C3720 | 1 | 1.0 (31*0.2) | 0.60 | 0.50 | 6.80 | 8.60 | 1.30 | 11.20 | 284 |
| C3721 | 6 | 1.0 (31*0.2) | 0.60 | 0.50 | 14.80 | 15.00 | 1.60 | 19.80 | 943 |
| C3722 | 12 | 1.0 (31*0.2) | 0.60 | 0.50 | 19.20 | 21.70 | 1.60 | 25.00 | 1394 |
| C3723 | 24 | 1.0 (31*0.2) | 0.60 | 0.50 | 31.80 | 36.80 | 2.00 | 41.00 | 3364 |
| C3724 | 1 TRIPE | 1.0 (31*0.2) | 0.60 | 0.50 | 7.20 | 9.00 | 1.30 | 11.60 | 321 |
| C3725 | 6 TRIPES | 1.0 (31*0.2) | 0.60 | 0.50 | 18.10 | 20.60 | 1.60 | 23.20 | 1116 |
| C3726 | 12 TRIPES | 1.0 (31*0.2) | 0.60 | 0.50 | 24.50 | 27.00 | 1.80 | 30.60 | 1692 |
| C3727 | 18 TRIPES | 1.0 (31*0.2) | 0.60 | 0.50 | 28.90 | 33.90 | 1.90 | 37.70 | 3204 |
| C3728 | 1 | 1.0 (1*1.13) | 0.60 | 0.50 | 6.40 | 8.20 | 1.20 | 10.80 | 280 |
| C3729 | 6 | 1.0 (1*1.13) | 0.60 | 0.50 | 13.80 | 15.60 | 1.60 | 18,80 | 925 |
| C3730 | 12 | 1.0 (1*1.13) | 0.60 | 0.50 | 18.20 | 20.70 | 1.60 | 23.90 | 1190 |
| C3156 | 1 | 0.75 (24*0.2) | 0.60 | 0.50 | 6.40 | 8.20 | 1.30 | 10.80 | 218.2 |
| C3157 | 2 | 0.75 (24*0.2) | 0.60 | 0.50 | 7.40 | 9.20 | 1.40 | 12.00 | 276.8 |
| C3158 | 5 | 0.75 (24*0.2) | 0.60 | 0.50 | 13.20 | 15.70 | 1.50 | 18.70 | 640.1 |
| C3159 | 10 | 0.75 (24*0.2) | 0.60 | 0.50 | 17.40 | 19.90 | 1.70 | 23.30 | 929.8 |
| C3160 | 15 | 0.75 (24*0.2) | 0.60 | 0.50 | 20.30 | 23.50 | 1.80 | 27.10 | 1326.9 |
| C3161 | 20 | 0.75 (24*0.2) | 0.60 | 0.50 | 23.40 | 26.60 | 1.80 | 30.20 | 1599.3 |
| C3162 | 30 | 0.75 (24*0.2) | 0.60 | 0.50 | 28.00 | 31.20 | 2.00 | 35.20 | 2070.6 |
| C3163 | 50 | 0.75 (24*0.2) | 0.60 | 0.50 | 36.30 | 40.30 | 2.20 | 44.70 | 3323.1 |
| C3164 | 1 TRIPE | 0.75 (24*0.2) | 0.60 | 0.50 | 6.80 | 8.60 | 1.40 | 11.40 | 234.3 |
| C3165 | 1 | 1.50 (7*0.53) | 0.60 | 0.50 | 7.30 | 9.10 | 1.40 | 11.90 | 270.4 |

Control and Instrumentation Cables
PAS/B55308 Part 2, Type 1 & 2
PVC Sheath



| P/N | Number of Pairs | Conductor Construction (sq mm) | Nom. Radial Thickness of Insulation | Drain wire cross section (sq mm) | Diameter of Bedding (mm) | Diameter of Armour (mm) | Nom. Thickness of Jacket (mm) | Overall Diameter (mm) | Nom. Weight (kg/km) |
|-------|-----------------|--------------------------------|-------------------------------------|----------------------------------|--------------------------|-------------------------|-------------------------------|-----------------------|---------------------|
| C3166 | 2 | 1.50 (7*0.53) | 0.60 | 0.50 | 8.70 | 10.50 | 1.40 | 13.30 | 349.5 |
| C3167 | 5 | 1.50 (7*0.53) | 0.60 | 0.50 | 15.40 | 17.90 | 1.60 | 21.10 | 828.9 |
| C3168 | 10 | 1.50 (7*0.53) | 0.60 | 0.50 | 20.60 | 23.80 | 1.80 | 27.40 | 1401.6 |
| C3737 | 12 | 1.50 (7*0.53) | 0.60 | 0.50 | 21.50 | 24.70 | 1.80 | 28.30 | 1681.9 |
| C3169 | 15 | 1.50 (7*0.53) | 0.60 | 0.50 | 24.20 | 27.40 | 1.90 | 31.20 | 1819.9 |
| C3170 | 20 | 1.50 (7*0.53) | 0.60 | 0.50 | 27.50 | 31.50 | 2.00 | 35.50 | 2390.5 |
| C3171 | 30 | 1.50 (7*0.53) | 0.60 | 0.50 | 33.30 | 37.30 | 2.10 | 41.50 | 3140.0 |
| C3172 | 50 | 1.50 (7*0.53) | 0.60 | 0.50 | 42.60 | 47.60 | 2.40 | 52.40 | 5037.8 |
| C3173 | 1 TRIPE | 1.50 (7*0.53) | 0.60 | 0.50 | 7.60 | 9.40 | 1.40 | 12.20 | 299.1 |
| C3529 | 1 | 2.50 (7*0.67) | 0.60 | 0.50 | 8.10 | 9.90 | 1.40 | 12.70 | 333.2 |
| C3530 | 1 | 4.00(7*0.85) | 0.60 | 0.50 | 9.20 | 11.00 | 1.40 | 13.80 | 395.7 |
| C3531 | 1 | 6.00(7*1.04) | 0.60 | 0.50 | 10.40 | 12.20 | 1.40 | 15.00 | 469.1 |

Control and Instrumentation Cables

PAS/B55308 Part 2, Type 1 & 2

PVC Sheath



Part 2: Type 2: Individually & Collectively Screened Armoured C3099 TO C3199 C3529 TO C3531, C3720 TO C3748

| P/N | Number of Pairs | Conductor Construction (sq mm) | Nom. Radial Thickness of Insulation (mm) | Drain wire cross section (sq mm) | Diameter of Bedding (mm) | Diameter of Armour (mm) | Nom. Thickness of Jacket (mm) | Overall Diameter (mm) | Nom. Weight (kg/km) |
|-------|-----------------|--------------------------------|--|----------------------------------|--------------------------|-------------------------|-------------------------------|-----------------------|---------------------|
| C3174 | 2 | 0.5 (16*0.2) | 0.60 | 0.50 | 11.00 | 12.80 | 1.50 | 15.80 | 409.3 |
| C3175 | 5 | 0.5 (16*0.2) | 0.60 | 0.50 | 14.20 | 16.70 | 1.60 | 19.90 | 703.4 |
| C3176 | 10 | 0.5 (16*0.2) | 0.60 | 0.50 | 20.10 | 23.30 | 1.80 | 26.90 | 1225.3 |
| C3177 | 15 | 0.5 (16*0.2) | 0.60 | 0.50 | 23.50 | 26.70 | 1.80 | 30.30 | 1531.3 |
| C3178 | 20 | 0.5 (16*0.2) | 0.60 | 0.50 | 26.30 | 29.50 | 1.90 | 33.30 | 1799.4 |
| C3179 | 30 | 0.5 (16*0.2) | 0.60 | 0.50 | 31.30 | 35.30 | 2.10 | 39.50 | 2587.2 |
| C3180 | 50 | 0.5 (16*0.2) | 0.60 | 0.50 | 40.70 | 45.70 | 2.40 | 50.50 | 4177.0 |
| C3181 | 2 | 0.75 (24*0.2) | 0.60 | 0.50 | 11.80 | 13.60 | 1.50 | 16.60 | 460.0 |
| C3182 | 5 | 0.75 (24*0.2) | 0.60 | 0.50 | 15.20 | 17.70 | 1.60 | 20.90 | 769.2 |
| C3183 | 10 | 0.75 (24*0.2) | 0.60 | 0.50 | 21.60 | 24.80 | 1.80 | 28.40 | 1348.7 |
| C3184 | 15 | 0.75 (24*0.2) | 0.60 | 0.50 | 25.20 | 28.40 | 1.90 | 32.20 | 1732.6 |
| C3185 | 20 | 0.75 (24*0.2) | 0.60 | 0.50 | 28.80 | 32.80 | 2.00 | 36.80 | 2306.7 |
| C3186 | 30 | 0.75 (24*0.2) | 0.60 | 0.50 | 34.40 | 38.40 | 2.20 | 42.80 | 3020.1 |
| C3187 | 50 | 0.75 (24*0.2) | 0.60 | 0.50 | 43.90 | 48.90 | 2.50 | 53.90 | 4746.3 |
| C3188 | 2 | 1.50 (7*0.53) | 0.60 | 0.50 | 13.70 | 16.20 | 1.60 | 19.40 | 672.4 |
| C3189 | 5 | 1.50 (7*0.53) | 0.60 | 0.50 | 17.80 | 21.00 | 1.70 | 24.40 | 1112.7 |
| C3190 | 10 | 1.50 (7*0.53) | 0.60 | 0.50 | 25.50 | 28.70 | 1.90 | 32.50 | 1751.5 |
| C3191 | 15 | 1.50 (7*0.53) | 0.60 | 0.50 | 29.80 | 33.80 | 2.00 | 37.80 | 2505.1 |
| C3192 | 20 | 1.50 (7*0.53) | 0.60 | 0.50 | 33.40 | 37.40 | 2.10 | 41.60 | 2965.6 |
| C3193 | 30 | 1.50 (7*0.53) | 0.60 | 0.50 | 40.00 | 45.00 | 2.50 | 50.00 | 4352.0 |
| C3194 | 50 | 1.50 (7*0.53) | 0.60 | 0.50 | 51.20 | 56.20 | 2.70 | 61.60 | 6216.4 |

Control and Instrumentation Cables

PAS/B55308 Part 2, Type 1 & 2

PVC Sheath
Colour Code



| Pair No. | Color | | Pair No. | Color | |
|----------|------------|--------|----------|--------------|--------|
| 1 | White | Blue | 26 | RED-Blue | Blue |
| 2 | White | Orange | 27 | RED-Blue | Orange |
| 3 | White | Green | 28 | RED-Blue | Green |
| 4 | White | Brown | 29 | RED-Blue | Brown |
| 5 | White | Grey | 30 | RED-Blue | Grey |
| 6 | Red | Blue | 31 | BLUE-Black | Blue |
| 7 | Red | Orange | 32 | BLUE-Black | Orange |
| 8 | Red | Green | 33 | BLUE-Black | Green |
| 9 | Red | Brown | 34 | BLUE-Black | Brown |
| 10 | Red | Grey | 35 | BLUE-Black | Grey |
| 11 | Black | Blue | 36 | YELLOW-Blue | Blue |
| 12 | Black | Orange | 37 | YELLOW-Blue | Orange |
| 13 | Black | Green | 38 | YELLOW-Blue | Green |
| 14 | Black | Brown | 39 | YELLOW-Blue | Brown |
| 15 | Black | Grey | 40 | YELLOW-Blue | Grey |
| 16 | Yellow | Blue | 41 | WHITE-Orange | Blue |
| 17 | Yellow | Orange | 42 | WHITE-Orange | Orange |
| 18 | Yellow | Green | 43 | WHITE-Orange | Green |
| 19 | Yellow | Brown | 44 | WHITE-Orange | Brown |
| 20 | Yellow | Grey | 45 | WHITE-Orange | Grey |
| 21 | WHITE-Blue | Blue | 46 | ORANGE-Red | Blue |
| 22 | WHITE-Blue | Orange | 47 | ORANGE-Red | Orange |
| 23 | WHITE-Blue | Green | 48 | ORANGE-Red | Green |
| 24 | WHITE-Blue | Brown | 49 | ORANGE-Red | Brown |
| 25 | WHITE-Blue | Grey | 50 | ORANGE-Red | Grey |

Note: 2 Pair unscreened cables are in quad formation, colour code (clockwise): Black, Blue, Green, and Brown

Control and Instrumentation Cables

PAS/BS5308 Part 2, Type 1 & 2

PVC Sheath



Electrical Characteristics at 20°C

C3099 TO C3199 C3529 TO C3531 C3720 TO C3748

| Conductor Size(sqmm) | Conductor Construction | Max. DCR (Ohm/km) | Max. Mutual Capacitance (pF/m) at 1KHz | Max. Capacitance Core to Rest (pF/m) at 1KHz | Test voltage between conductors and between conductors and screen (V r.m.s.) | Max. L/R ratio (μH/Ω) | Min Insulation Resistance of Cables with 500Vds for 1min. (G.Ohm/km) |
|----------------------|------------------------|-------------------|--|--|--|-----------------------|--|
| 0.5 | 16*0.2 | 39.7 | 250 | 450 | 4000 | 25 | 5 |
| 0.75 | 24*0.2 | 26.5 | 250 | 450 | 4000 | 25 | 5 |
| 1.50 | 7*0.53 | 12.3 | 250 | 450 | 4000 | 40 | 5 |
| 2.50 | 7*0.67 | 7.41 | 250 | 450 | 4000 | 40 | 5 |
| 4.00 | 7*0.85 | 4.61 | 250 | 450 | 4000 | 40 | 5 |
| 6.00 | 7*1.04 | 3.08 | 250 | 450 | 4000 | 40 | 5 |

Reference Standards

| | |
|---------------|-----------------|
| BS5308 Part 2 | EN 50290-2 |
| BS EN 60228 | RoHS directives |
| BS 7655 | IEC 60332-3-24 |