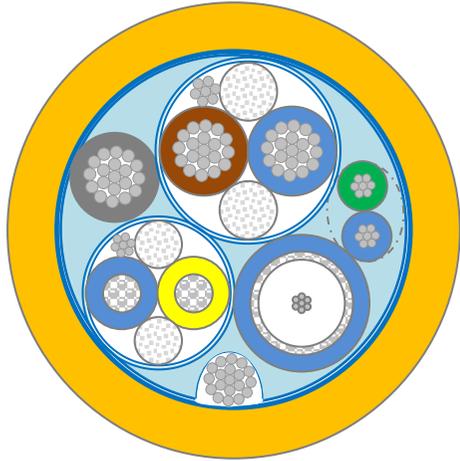


**Part No: MEDUSA05**



| No | Description  | Colr     | Dia mm |
|----|--|----------|--------|
| 1  | <p><b>1 Position 1.34mm<sup>2</sup> Screened Pair</b><br/>19/0.30mm Tinned Copper<br/>HDPE Insulated, 0.32mm Nom RTI</p> <p>2 no twisted together with fillers in interstices and 7/0.25mm tinned copper drain wire.</p> <p>12/12µm Ali/Poly Helical Foil Screen<br/>Helical 50µm PET Isolation Tape</p> | BN<br>BU | 4.40   |

| No | Description  | Colr     | Dia mm               |
|----|--|----------|----------------------|
| 2  | <p><b>1 Position 0.50mm<sup>2</sup> Screened Pair</b><br/>16/0.20mm Tinned Copper<br/>Polyolefin Insulated, 0.41mm Nom RTI</p> <p>2 no twisted together with fillers in interstices and 7/0.20mm tinned copper drain wire.</p> <p>12/12µm Ali/Poly Helical Foil Screen<br/>Helical 50µm PET Isolation Tape</p> | BU<br>YW | 3.60                 |
| 3  | <p><b>1 Position 0.22mm<sup>2</sup> Twisted Pair</b><br/>7/0.20mm Tinned Copper<br/>Polyolefin Insulated, 0.30mm Nom RTI</p> <p>2 no twisted together</p>  | GN<br>BU | 2.40                 |
| 4  | <p><b>1 Position Coaxial Cable</b><br/>D0624<br/>Conductor: 7/0.16mm Tinned Copper<br/>Polyolefin Dielectric at 2.10mm<br/>Tinned Copper Secondary Conductor<br/>HDPE Jacket</p>   | BU       | 3.30                 |
| 5  | <p><b>1 Position 1.34mm<sup>2</sup> Primary Core</b><br/>19/0.30mm Tinned Copper<br/>HDPE Insulated, 0.32mm Nom RTI</p>  | GY       | 2.15<br>+/-<br>0.10  |
| 6  | <p><b>Lay-Up</b><br/>Items 1 – 5 cabled together<br/>All interstices filled with Vulcanised Silicone void filling compound<br/>Overall 23µm PET Binding Tape</p>   | N/A      | 8.40                 |
| 7  | <p><b>Overall Screen</b><br/>12/23µm Ali/Poly Helical Foil Screen<br/>8/0.20mm Tinned Copper Drain wire pulled under.</p>  | N/A      | 8.50                 |
| 8  | <p><b>Jacket</b><br/>Polyurethane 1185<br/>1.25mm Nominal RTI<br/>87 Shore A</p>   | OR       | 11.00<br>+/-<br>0.50 |

| Notes                                   |           |
|---|-----------|
| <b>Electrical Characteristics</b>       |           |
| <b>1.34mm<sup>2</sup> Screened Pair</b> |           |
| Maximum Conductor Resistance            | 14.5 Ω/KM |
| Maximum Current / Conductor             | 22 Amps   |
| <b>0.50mm<sup>2</sup> Screened Pair</b> |           |
| Maximum Conductor Resistance            | 38.6 Ω/KM |
| Maximum Current / Conductor             | 5 Amps    |
| <b>0.22mm<sup>2</sup> Twisted Pair</b>  |           |
| Maximum Conductor Resistance            | 88.2 Ω/KM |
| <b>Coaxial Cable</b>                    |           |
| Nominal Impedance                       | 75 Ω      |
| Nominal Capacitance                     | 55 pF/m   |
| Maximum Inner Conductor Resistance      | 130 Ω/KM  |
| <b>1.34mm<sup>2</sup> Primary</b>       |           |
| Maximum Conductor Resistance            | 14.5 Ω/KM |
| Maximum Current / Conductor             | 22 Amps   |
| <b>General</b>                          |           |
| Minimum Insulation Resistance           |           |
| Core – Core                             | >500 MΩ   |
| Core – Screen                           | >250 MΩ   |
| Screen – Screen                         | >10 MΩ    |
| <b>Mechanical Characteristics</b>       |           |
| Maximum Operating Temp                  | +70°C     |
| Cold Flex Temp                          | -40°C     |
| Min Recommended Bend Radius             | 165 mm    |
| Nominal Weight                          |           |
| In Air                                  | 173 KG/KM |
| In Sea Water @ SG 1.025                 | 62 KG/KM  |



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|             |                                   |
|-------------|-----------------------------------|
| TITLE       | 8C-2STP-1UTP-1CX-WB-F-PU 11.00 OR |
| DESCRIPTION | Subsea Mini-TV                    |
| CUSTOMER    |                                   |

| ISSUE | DESCRIPTION | DRWN | DATE     | CKD | DATE     | APPD | DATE |
|-------|-------------|------|----------|-----|----------|------|------|
| 01    | First Issue | CH   | 24/02/20 | AJK | 24/02/20 |      |      |