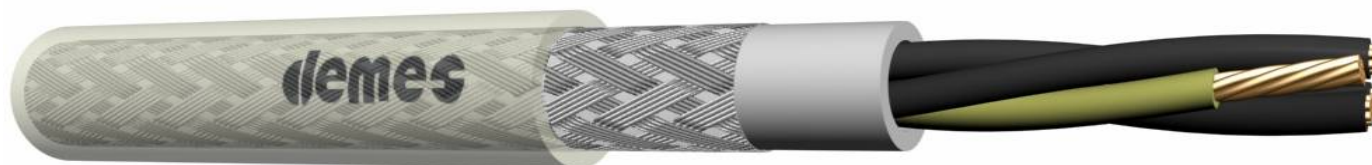


SY PVC



APPLICATION

These flexible control cables are used for measurement, control in tool machineries, plant installations, power stations and data equipments. The steel braided screen provides high mechanical protection. The galvanized coating on the steel wire braid helps to protect against corrosion.

CONSTRUCTION

| | |
|---------------|--|
| CONDUCTOR | Fine-Stranded Bare Copper (IEC 60228 -Class 5) |
| INSULATION | PVC Insulation (EN 50363 – T12) |
| INNER SHEATH | PVC Inner Sheath |
| BRAIDING | Galvanized Steel Wire Braiding (%55) |
| SHEATH | PVC Outer Sheath (EN 50363 – TM2) |
| Core Colours | JZ - Black insulation with G/Yellow core OZ - Black insulation without G/Yellow core JB - Colour code insulation with G/Yellow core OB - Colour code insulation without G/Yellow core HAR – HD 308 Core Colour with/without G/Yellow |
| Sheath Colour | Transparent |

PHYSICAL CHARACTERISTICS

| | |
|---|-----------|
| Voltage Rating | 300/500 V |
| Minimum Bending Radius | 10 x D |
| Max. Continuous operation temperature of conductors | 70 |
| Max. Conductor temperature during short circuit | 160 |

FIRE PERFORMANCE CHARACTERISTICS

| | |
|-----------------|-------------|
| Fire Resistance | IEC 60332-1 |
|-----------------|-------------|



| No of Cores | Approx. Overall Diameter | Approx. Cable Weight | Max. Conductor Resistance DC at 20°C |
|-----------------|--------------------------|----------------------|---|
| mm ² | mm | kg/km | Ohm/km |

0.50 mm²

| | | | |
|----|------|-----|----|
| 2 | 7,5 | 84 | 39 |
| 3 | 7,9 | 94 | 39 |
| 4 | 8,5 | 109 | 39 |
| 5 | 9,3 | 131 | 39 |
| 7 | 9,8 | 152 | 39 |
| 12 | 12,7 | 250 | 39 |

0.75 mm²

| | | | |
|----|------|-----|----|
| 2 | 8,0 | 94 | 26 |
| 3 | 8,3 | 105 | 26 |
| 4 | 9,3 | 130 | 26 |
| 5 | 9,8 | 152 | 26 |
| 7 | 10,6 | 178 | 26 |
| 12 | 13,7 | 294 | 26 |
| 18 | 15,8 | 399 | 26 |

1.00 mm²

| | | | |
|----|------|-----|------|
| 2 | 8,2 | 100 | 19,5 |
| 3 | 8,5 | 114 | 19,5 |
| 4 | 9,5 | 145 | 19,5 |
| 5 | 10,1 | 167 | 19,5 |
| 7 | 11,1 | 203 | 19,5 |
| 12 | 14,1 | 328 | 19,5 |
| 18 | 16,5 | 456 | 19,5 |

1.50 mm²

| | | | |
|----|------|-----|------|
| 2 | 8,8 | 120 | 13,3 |
| 3 | 9,6 | 150 | 13,3 |
| 4 | 10,4 | 177 | 13,3 |
| 5 | 11,1 | 206 | 13,3 |
| 7 | 12,2 | 256 | 13,3 |
| 12 | 15,8 | 425 | 13,3 |
| 18 | 18,4 | 588 | 13,3 |

2.50 mm²

| | | | |
|----|------|-----|------|
| 2 | 10,5 | 174 | 7,98 |
| 3 | 11,2 | 207 | 7,98 |
| 4 | 12,6 | 265 | 7,98 |
| 5 | 13,6 | 315 | 7,98 |
| 7 | 14,7 | 378 | 7,98 |
| 12 | 19,3 | 647 | 7,98 |

4.00 mm²

| | | | |
|---|------|-----|------|
| 3 | 13,4 | 302 | 4,95 |
| 4 | 14,8 | 377 | 4,95 |
| 5 | 16,1 | 453 | 4,95 |

6.00 mm²

| | | | |
|---|------|-----|------|
| 3 | 14,9 | 393 | 3,30 |
| 4 | 16,7 | 498 | 3,30 |
| 5 | 18,1 | 598 | 3,30 |