ÜNKA KABLO

# YY / YSLY

## APPLICATION RANGE

* Instrumentation and control engineering
* Industrial electronics
* In machine production as measurement and control cable
* Production and assembly lines
* Dry, moist and wet places
* In places where low mechanical stresses exist

## CONSTRUCTION

| | |
|---|---|
| Conductor | Stranded electrolytic copper wire Class5, (BS EN 60228:2005) |
| Insulation | PVC (Polyvinyl Chloride) Compound |
| Colour Code | OZ - Black coloured, cores numbered<br>JZ - One green/yellow coloured core and black coloured cores numbered<br>OB / JB - coloured cores acc. to HD 308.1 |
| Stranding | In layers of optimum pitch |
| Sheath | PVC (Polyvinyl Chloride) Compound |
| Sheath Colour | RAL 9005 Black ; RAL 5015 Blue ; RAL 7001 Grey |

## TECHNICAL SPECIFICATION

| | |
|---|---|
| Temperature Range | -30°C to +70°C (Fixed ) |
| Minimum Bending Radius | 7,5 x outer diameter |
| Flame Retardant | IEC 60332-1-2 |

## ELECTRICAL SPECIFICATION

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Conductor cross-section | nom. | mm2 | 0,5 | 0,75 | 1 | 1,5 | 2,5 |
| Conductor resistance | max. | Ω/km | 39 | 26 | 19,5 | 13,3 | 7,98 |
| Insulation resistance test | 1 kv min. | MΩxkm | 20 | | | | |
| Test voltage | | V | 2000 | | | | |
| Operating Voltage | | V | 300/500 V | | | | |

CE REACH COMPLIANT RoHS COMPLIANT FLAME RETARDANT UKAS QUALITY MANAGEMENT 001 CPR

| YY / YSLY / LIYY | | |
|---|---|---|
| CROSS SECTION | OUTER DIA. ±(%5) | G |
| mm2 | mm | Kg/Km |
| 2x0,5 | 5,00 | 38 |
| 3x0,5 | 5,30 | 39 |
| 4x0,5 | 5,80 | 47 |
| 5x0,5 | 6,30 | 58 |
| 7x0,5 | 6,70 | 71 |
| 12x0,5 | 8,90 | 118 |
| 18x0,5 | 10,50 | 174 |
| 25x0,5 | 12,70 | 238 |
| 34x0,5 | 14,10 | 307 |
| 2x0,75 | 5,40 | 47 |
| 3x0,75 | 5,70 | 48 |
| 4x0,75 | 6,20 | 59 |
| 5x0,75 | 6,80 | 73 |
| 7x0,75 | 7,50 | 95 |
| 12x0,75 | 10,00 | 158 |
| 18x0,75 | 11,50 | 225 |
| 25x0,75 | 14,00 | 309 |
| 34x0,75 | 15,70 | 409 |
| 2x1 | 5,80 | 54 |
| 3x1 | 6,10 | 57 |
| 4x1 | 6,60 | 70 |
| 5x1 | 7,40 | 91 |
| 7x1 | 8,00 | 114 |
| 12x1 | 10,60 | 189 |
| 18x1 | 12,50 | 279 |
| 25x1 | 15,10 | 381 |
| 34x1 | 16,80 | 497 |
| 2x1,5 | 6,20 | 68 |
| 3x1,5 | 6,60 | 72 |
| 4x1,5 | 7,40 | 94 |
| 5x1,5 | 8,10 | 116 |
| 7x1,5 | 8,70 | 148 |
| 12x1,5 | 11,60 | 246 |
| 18x1,5 | 13,70 | 365 |
| 25x1,5 | 16,60 | 501 |
| 34x1,5 | 18,70 | 667 |
| 2x2,5 | 7,40 | 101 |
| 3x2,5 | 7,90 | 110 |
| 4x2,5 | 8,60 | 139 |
| 5x2,5 | 9,50 | 173 |
| 7x2,5 | 10,40 | 228 |
| 12x2,5 | 13,90 | 381 |
| 18x2,5 | 16,40 | 567 |
| 25x2,5 | 20,10 | 788 |
| 2x4 | 8,60 | 144 |
| 3x4 | 9,20 | 157 |
| 4x4 | 10,30 | 206 |
| 5x4 | 11,30 | 257 |
| 7x4 | 12,40 | 340 |
| 2x6 | 10,50 | 214 |
| 3x6 | 11,20 | 232 |
| 4x6 | 12,50 | 303 |
| 5x6 | 13,80 | 382 |
| 7x6 | 15,20 | 505 |
| 3x10 | 13,90 | 375 |
| 4x10 | 15,50 | 492 |
| 5x10 | 17,30 | 629 |
| 3x16 | 16,20 | 551 |
| 4x16 | 18,10 | 733 |
| 5x16 | 20,30 | 926 |
| 3x25 | 20,90 | 1004 |
| 4x25 | 23,40 | 1153 |
| 5x25 | 26,10 | 1457 |
| 3x35 | 23,70 | 1157 |
| 4x35 | 26,50 | 1539 |
| 5x35 | 29,80 | 1960 |
| 3x50 | 28,40 | 1656 |
| 4x50 | 31,90 | 2218 |
| 5x50 | 35,60 | 2800 |
| 4x70 | 29,80 | 3488 |

ÜNKA KABLO

# YY - YSLY (0,6/1 kV)

## APPLICATION RANGE

In covered places where people are densely found
-Instrumentation and control engineering
-Energy stations
-In machine production as measurement and controlcable
-Production and assembly lines
-In places where medium level mechanical stresses exist
-In places where human life and valuable materials and equipment need to be protected

## CONSTRUCTION

| | |
|---|---|
| Conductor | Stranded electrolytic copper wire Class5, (BS EN 60228:2005) |
| Insulation | PVC (Polyvinyl Chloride) Compound (EN 50363-3 TI2) |
| Colour Code | OZ - Black coloured, cores numbered<br>JZ - One green/yellow coloured core and black coloured cores numbered<br>OB / JB - coloured cores acc. to HD 308.1 |
| Stranding | In layers of optimum pitch |
| Sheath | PVC (Polyvinyl Chloride) Compound (EN 50363-4-1 TM2) |
| Sheath Colour | RAL 9005 Black or RAL 7001 Grey |

## TECHNICAL SPECIFICATION

| | |
|---|---|
| Temperature Range | -30°C to +70°C (Fixed Installation) |
| Minimum Bending Radius | 7,5 x outer diameter |
| Flame Retardant | IEC 60332-1-2 |

## ELECTRICAL SPECIFICATION

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Conductor cross-section | nom. | mm2 | 0,5 | 0,75 | 1 | 1,5 | 2,5 |
| Conductor resistance | max. | Ω/km | 39 | 26 | 19,5 | 13,3 | 7,98 |
| Insulation resistance test | 1 kv min. | MΩxkm | 20 | | | | |
| Test voltage | | V | 3500 | | | | |
| Operating Voltage | | V | 600/1000 V | | | | |

CE REACH COMPLIANT RoHS COMPLIANT FLAME RETARDANT UKAS QUALITY MANAGEMENT 001 CPR

| YY - YSLY (0,6/1 kV) | | |
|---|---|---|
| CROSS SECTION | O. DIAMETER ±(%5) | G |
| mm2 | mm | Kg/Km |
| 2x0,5 | 6,40 | 59 |
| 3x0,5 | 7,00 | 71 |
| 4x0,5 | 7,50 | 83 |
| 5x0,5 | 8,20 | 99 |
| 7x0,5 | 8,70 | 119 |
| 12x0,5 | 11,10 | 186 |
| 18x0,5 | 13,30 | 261 |
| 25x0,5 | 16,00 | 365 |
| 34x0,5 | 17,70 | 463 |
| 2x0,75 | 7,00 | 73 |
| 3x0,75 | 7,40 | 84 |
| 4x0,75 | 8,00 | 99 |
| 5x0,75 | 8,70 | 119 |
| 7x0,75 | 9,30 | 144 |
| 12x0,75 | 11,90 | 227 |
| 18x0,75 | 14,30 | 328 |
| 25x0,75 | 17,20 | 450 |
| 34x0,75 | 19,30 | 585 |
| 2x1 | 7,40 | 83 |
| 3x1 | 7,70 | 95 |
| 4x1 | 8,40 | 113 |
| 5x1 | 9,10 | 135 |
| 7x1 | 10,00 | 172 |
| 12x1 | 12,50 | 264 |
| 18x1 | 15,10 | 386 |
| 25x1 | 18,20 | 533 |
| 34x1 | 20,40 | 696 |
| 2x1,5 | 8,20 | 105 |
| 3x1,5 | 8,70 | 124 |
| 4x1,5 | 9,50 | 149 |
| 5x1,5 | 10,50 | 185 |
| 7x1,5 | 11,30 | 229 |
| 12x1,5 | 14,50 | 365 |
| 18x1,5 | 17,50 | 533 |
| 25x1,5 | 21,10 | 737 |
| 34x1,5 | 25,30 | 1022 |
| 2x2,5 | 9,20 | 141 |
| 3x2,5 | 10,00 | 174 |
| 4x2,5 | 10,90 | 210 |
| 5x2,5 | 11,90 | 256 |
| 7x2,5 | 13,00 | 327 |
| 12x2,5 | 16,70 | 525 |
| 18x2,5 | 20,20 | 771 |
| 25x2,5 | 24,40 | 1069 |
| 2x4 | 10,60 | 181 |
| 3x4 | 11,20 | 235 |
| 4x4 | 12,30 | 287 |
| 5x4 | 13,70 | 359 |
| 7x4 | 14,80 | 454 |
| 2x6 | 11,90 | 256 |
| 3x6 | 12,80 | 320 |
| 4x6 | 14,10 | 394 |
| 5x6 | 15,50 | 484 |
| 7x6 | 17,00 | 654 |
| 3x10 | 15,90 | 515 |
| 4x10 | 17,60 | 645 |
| 5x10 | 19,60 | 798 |
| 3x16 | 18,10 | 720 |
| 4x16 | 20,20 | 918 |
| 5x16 | 22,50 | 1136 |
| 3x25 | 23,20 | 1165 |
| 4x25 | 25,90 | 1458 |
| 5x25 | 28,90 | 1806 |
| 3x35 | 26,00 | 1498 |
| 4x35 | 29,00 | 1909 |
| 5x35 | 32,30 | 2410 |
| 4x50 | 33,10 | 2597 |