

## LI2Y(ST)CH



### CONSTRUCTION

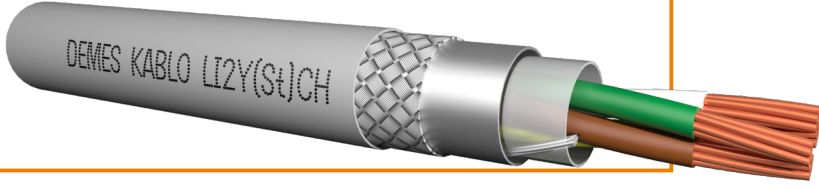
|                |   |                 |
|----------------|---|-----------------|
| CONDUCTOR      | Stranded Annealed Copper Conductor (IEC 60228-Class -1) |                 |
| INSULATION     | PE  | JZ-OZ-DIN 47100 |
| OVERALL SCREEN | PES and ALPES Tape with Tinned Copper Wire              |                 |
| BRAID          | Tinned Copper Wire Braid                                | 85% Coverage    |
| SHEATH         | LSZH Compound   | Grey            |

### PHYSICAL&ELECTRICAL CHARACTERISTICS

|   |                 |
|---|-----------------|
| MAX. CONDUCTOR TEMPERATURE DURING SHORT CIRCUIT | 160°C           |
| NOMINAL VOLTAGE                                 | 300/500 V       |
| TEST VOLTAGE                                    | 2000 V          |
| OPERATING TEMPERATURE                           | -40°C ... +80°C |
| MINIMUM BENDING RADIUS                          | 12 X D          |

### FIRE PERFORMANCE CHARACTERISTICS

|                      |   |
|----------------------|---|
| FLAME RETARDANT      | IEC 60332-1   |
| NO FLAME PROPAGATION | IEC 60332-3-24  |
| HALOGEN-FREE         | IEC 60754-1, VDE 0482 P267-2-1, DIN EN50267-2-1       |
| NO CORROSIVE GASES   | IEC 60754-2, VDE 0482 P267-2-2, DIN EN 50267-2-2      |
| LOW SMOKE EMISSION   | IEC 61034-1/-2, VDE 0482 P268-1/-2, DIN EN 50268-1/-2 |



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### OTHER CHARACTERISTICS

|                        |                                    |
|------------------------|------------------------------------|
| UV RESISTANCE          | ISO 4892-2 / ISO 4892-3            |
| WATER RESISTANCE       | AD7                                |
| OIL RESISTANCE         | ASTM NO: 2 (4 hours 70°C)          |
| HYDROCARCON RESISTANCE | NF-M87-202 (Aliphatic Hydrocarbon) |

### DIMENSIONS

| Number of Core and Cross Section Area (mm <sup>2</sup> ) | Approx. Overall Diameter (mm) (±5%) | Approx. Cable Weight (kg/km) | Max. Conductor Resistance DC at 20°C (Ohm/km) |
|--|-------------------------------------|------------------------------|---|
| 1 x 2 x 0,5 mm   | 5,20                                | 45                           | 36  |