



Teknik Veriler / Technical Data



Çalışma gerilimi
Operating voltage
300/500 V



Çalışma sıcaklığı
Operating temperature
-20 ...+70°C (RE-2Y..)
-20 ...+90°C (RE-2X..)



Bükme yarıçap
Bending radius
Min. 15 x Ø



Alev iletmemeye
Flame retardant
EN 50288-1



Test gerilimi
Test voltage
2000 V



Halojensiz
Halogen-free
IEC 60754-1-2



Kısa devre sıcaklığı Max.
Short-circuit temperature Max.
160°C



Kapasite (800 Hz)
Capacitance (800Hz)
Max. 150 pf/m



Referans standart
Reference standard
EN 50288 - 7 VDE 0815



İzolasyon direnci
Insulation resistance
Min 5000 Mohm xK_m



Düşük duman yoğunluğu
Low smoke density
IEC 61034-1



(L/R) ratio
(L/R) ratio
< 25 l uH/Ohm 1 mm² 'ye kadar
< 40 l uH/Ohm 1,5 mm² 'ye kadar
< 60 l uH/Ohm 2,5 mm² 'ye kadar

RE-2Y(St)HSWAH-PIMF & RE-2X(St)HSWAH-PIMF

500 V



Kullanım Alanları

Enstrümantasyon kabloları, veri işleme ve kontrol süreçlerinde kullanılırlar. Düşük seviye hat zayıflamaları ve düşük kapasite değerleri ile bu kablolar yeraltı, açık yada nemli ortamlı sabit tesisatlara uygundur.

Applications

Instrumentation cables are used in data processing and process control. Low level of line attenuations and low mutual capacitances these cables are suitable for fixed installations in damp locations, in open spaces and for underground laying

Kablo Yapısı / Cable Structure

| | |
|---|--|
| İletken Conductor | : Tavlı bükülü bakır tel (HD 383 S2 Class 2) : Stranded copper wire (HD 383 S2 Class 2) |
| İzolasyon Insulation | : PE compound (EN 50290-2-23 / L/MD) XLPE compound (EN 50290-2-29) : PE compound (EN 50290-2-23 / L/MD) XLPE compound (EN 50290-2-29) |
| Damar renkleri Core identification: | : Siyah ve beyaz numaralı : Black and White numbered |
| Büküm Lay-up | : İkilili büküm : Double stranded |
| Ayırıcı Separator | : Polyester bant : Polyester tape |
| Bireysel ekran Individual Screen: | : Toprak teli ve Al- Pes folyo : Drain wire and foil Al-PES |
| Büküm Lay-up | : Katlar halinde büküm : In layers stranding |
| Ayırıcı Separator | : Polyester bant : Polyester tape |
| Ekran Screen | : Toprak teli ve Al- Pes folyo : Drain wire and foil Al-PES |
| İç kılıf Inner sheath | : HFFR bileşik (EN 50290-2-27) : HFFR compound (EN 50290-2-27) |
| Zırh Armour | : Galvanizli çelik tel : Galvanized round steel wire |
| Dış kılıf Outer sheath | : HFFR bileşik (EN 50290-2-27) : HFFR compound (EN 50290-2-27) |
| Kılıf Rengi Sheath Color | : Siyah veya mavi : Black or blue |

Uygulanan Testler / Applied Tests

| | |
|---|---|
| Yapısal boyut testleri Structural dimension tests | : HD 21.2, EN 50288 |
| Mekanik testler Mechanical tests | : EN 50289-3-2, EN 50289-3-4, EN 50289-3-5, EN 60811-1-1, EN 60811-1-2, EN 60811-1-3, EN 60811-3-1, EN 60811-3-2 EN 60811-1-4, EN 60811-4-2 |
| Elektriksel testler Electrical tests | : HD 21.2 |
| Yangın performans testleri Fire performance tests | : EN 50265-2-1, EN 50288-1, IEC 61031-1, IEC 60754-1-2 |



RE-2Y(St)HSWAH-PIMF & RE-2X(St)HSWAH-PIMF

500V



| Damar Sayısı x İletken Kesiti (mm ²) | Dış Çap yaklaşık (mm) | Bakır Faktörü (kg/km) | Kablo Ağırlığı yaklaşık (kg/km) |
|---|-----------------------|-----------------------|---------------------------------|
| Core Numbers Conductor Section (mm ²) | O.D approx (mm) | Copper Factor (kg/km) | Cable Weight approx (kg/km) |
| 2x2x0,50 | 14,9 | 34,0 | 350,0 |
| 4x2x0,50 | 16,7 | 62,0 | 440,0 |
| 5x2x0,50 | 17,5 | 77,0 | 485,0 |
| 6x2x0,50 | 18,5 | 91,0 | 530,0 |
| 8x2x0,50 | 21,2 | 120,0 | 735,0 |
| 10x2x0,50 | 22,9 | 149,0 | 840,0 |
| 12x2x0,50 | 24,3 | 178,0 | 930,0 |
| 16x2x0,50 | 27,0 | 235,0 | 1.105,0 |
| 20x2x0,50 | 29,6 | 293,0 | 1.300,0 |
| 24x2x0,50 | 32,4 | 350,0 | 1.691,0 |
| 2x2x0,75 | 15,9 | 43,0 | 390,0 |
| 4x2x0,75 | 17,7 | 82,0 | 490,0 |
| 5x2x0,75 | 18,6 | 101,0 | 540,0 |
| 6x2x0,75 | 20,5 | 120,0 | 705,0 |
| 8x2x0,75 | 22,5 | 158,0 | 825,0 |
| 10x2x0,75 | 24,4 | 197,0 | 945,0 |
| 12x2x0,75 | 25,9 | 235,0 | 1.050,0 |
| 16x2x0,75 | 28,8 | 312,0 | 1.260,0 |
| 20x2x0,75 | 32,5 | 389,0 | 1.670,0 |
| 24x2x0,75 | 34,9 | 466,0 | 1.880,0 |
| 2x2x1 | 16,7 | 53,0 | 425,0 |
| 4x2x1 | 18,6 | 101,0 | 540,0 |
| 5x2x1 | 20,5 | 125,0 | 710,0 |
| 6x2x1 | 21,7 | 149,0 | 780,0 |
| 8x2x1 | 24,0 | 197,0 | 925,0 |

* Yüksek akım enerji beslemesi için uygun değildir.

* Standart ambalajlama

Kangal < 30 kg ve 250 mt < Makara

| Damar Sayısı x İletken Kesiti (mm ²) | Dış Çap yaklaşık (mm) | Bakır Faktörü (kg/km) | Kablo Ağırlığı yaklaşık (kg/km) |
|---|-----------------------|-----------------------|---------------------------------|
| Core Numbers Conductor Section (mm ²) | O.D approx (mm) | Copper Factor (kg/km) | Cable Weight approx (kg/km) |
| 10x2x1 | 25,8 | 245,0 | 1.055,0 |
| 12x2x1 | 27,7 | 293,0 | 1.190,0 |
| 16x2x1 | 32,0 | 389,0 | 1.690,0 |
| 20x2x1 | 34,8 | 485,0 | 1.890,0 |
| 24x2x1 | 37,2 | 581,0 | 2.115,0 |
| 2x2x1,3 | 17,6 | 64,0 | 465,0 |
| 4x2x1,3 | 20,7 | 123,0 | 710,0 |
| 5x2x1,3 | 21,8 | 153,0 | 790,0 |
| 6x2x1,3 | 23,3 | 183,0 | 885,0 |
| 8x2x1,3 | 25,6 | 242,0 | 1.040,0 |
| 10x2x1,3 | 27,9 | 302,0 | 1.200,0 |
| 12x2x1,3 | 30,1 | 361,0 | 1.380,0 |
| 16x2x1,3 | 34,5 | 480,0 | 1.865,0 |
| 20x2x1,3 | 37,4 | 600,0 | 2.140,0 |
| 24x2x1,3 | 40,6 | 719,0 | 2.475,0 |
| 2x2x1,5 | 18,2 | 72,0 | 490,0 |
| 4x2x1,5 | 20,7 | 139,0 | 650,0 |
| 5x2x1,5 | 21,9 | 173,0 | 725,0 |
| 6x2x1,5 | 24,1 | 206,0 | 940,0 |
| 8x2x1,5 | 26,8 | 274,0 | 1.125,0 |
| 10x2x1,5 | 29,0 | 341,0 | 1.285,0 |
| 12x2x1,5 | 31,5 | 408,0 | 1.495,0 |
| 16x2x1,5 | 35,9 | 542,0 | 2.000,0 |
| 20x2x1,5 | 39,1 | 677,0 | 2.320,0 |
| 24x2x1,5 | 43,3 | 811,0 | 2.945,0 |

* Not suitable for high current power supply

* Standard packaging

Coil < 30 kg and 250 mt < Drum