

**PE YALITIMLI ENSTRÜMAN KABLOLARI**  
**PE INSULATED INSTRUMENTATION CABLES**  
**(EN 50288/7-BS 5308/1-VDE 0815-VDE 0816-IEC 502)**  
**( EMC\* )**

**RE-2Y(St)2YQY-fl**



**KABLO YAPISI:**

- 1- İLETKEN : IEC-60228 ;DIN VDE 0295;EN 60228
- 2- YALITKAN : DIN VDE 0207 BÖLÜM-2 2Y12 PE KOMPAUND
- 3- YALITIM RENK : BS- 5308 BÖLÜM-1 VEYA SİYAH-BEYAZ;  
HER ÇİFT NUMARA KODLU
- 4- BÜKÜM : ÇİFT BÜKÜM,KATLAR HALİNDE VE 1 ADET  
HABERLEŞME DAMARI
- 5- AYIRICI BANT : PES BANT
- 6- GENEL EKLAN : KALAYLI BAKIR TELLERDEN TOPRAK TELİ AL-PES BANT
- 7- İÇ KILIF : POLİETİLEN KOMPAUND
- 8- ARMÜR : GALVANİZLİ ÇELİK TEL ÖRGÜ
- 9- DIŞKILIF : DIN VDE 0207 BÖLÜM-5 YM1 PVC KOMPAUND
- 10- DIŞKILIF RENGİ : RAL 5015 MAVİ\* ; RAL 9005\* SİYAH

- ❖ -İYİ EMC\* ÖZELLİK
- ❖ -ESNEK KABLO YAPISI
- ❖ -DÜŞÜK BÜKÜLME ÇAPI
- ❖ -ALEV GECİKTİRİCİ VE HİDRO KARBONLARA DİRENÇLİ
- ❖ -TOPRAK ALTINA DÖŞENEBLİR

**CONSTRUCTION:**

- 1- CONDUCTOR : IEC-60228 ;DIN VDE 0295;EN 60228
- 2- INSULATION : DIN VDE 0207 PART-2 2Y12 PE COMPOUND
- 3- COLOUR CODE : BS-5308 PART-1 OR BLACK AND WHITE;  
EACH PAIR NUMBERED
- 4- STRANDING : PAIRWISE,PAIRS IN LAYERS AND  
1 NUMBER COMMUNICATION CORE
- 5- WRAPPING : PES TAPE
- 6- SCREEN : TINNED COPPER DRAIN WIRE; AL-PES TAPE
- 7- INNER SHEATH : POLYETHYLENE COMPOUND
- 8- ARMOUR : GALVANIZED STEEL WIRES BRAIDING
- 9- SHEATH : DIN VDE 0207 PART-5 YM1 PVC COMPOUND
- 10- SHEATH COLOUR : RAL 5015\* BLUE; RAL 9005\* BLACK

- ❖ -VERY GOOD EMC\* CHARACTERISTICS
- ❖ -FLEXIBLE
- ❖ -SMALL BENDING RADIUS
- ❖ -FLAME RETARDANT AND HYDROCARBON RESISTANT
- ❖ -SUITABLE FOR BURRY TO UNDERGROUND

**KULLANIM ALANLARI:**

- 1- ENSTRÜMAN VE KONTROL MÜHENDİSLİĞİNDE ANALOG VE DİJİTAL SİNYAL İLETİMİNDE
- 2- PETROL RAFİNERİLERİNDE
- 3- PETRO KİMYA ENDÜSTRİSİNDE
- 4- ENERJİ TESİSLERİNDE
- 5- DOĞALGAZ POMPA İSTASYONLARINDA
- 6- KAPALI VE AÇIK ALANLARDA , KURU, RUTUBETLİ VE ISLAK ORTAMLARDA

**fl\*** =ALEV GECİKTİRİCİ DIŞKILIF

**RAL 5015 MAVİ DK.\*** = PATLAYICI VE PARLAYICI ORTAMLARDA  
EX-PROOF BAĞLANTILARDA

**RAL 9005 SİYAH DK.\*** = UV DAYANIMI İSTENEN ORTAMLARDA

**APPLICATION:**

- 1- INSTRUMENTATION AND CONTROL ENGINEERING AND ANALOG AND DIGITAL SIGNAL TRANSMISSION
- 2- PETROLEUM REFINERIES
- 3- PETROCHEMISTRY INDUSTRY
- 4- POWER PLANTS
- 5- NATURAL GAS PUMP STATIONS
- 6- INDOORS AND OUTDOORS, DRY, DAMP AND WET ENVIRONMENTS

**fl\*** =FLAME RETARDANT OUTER SHEATH

**RAL 5015 BLUE SHEATH\*** = AT EX-PROOF CONNECTIONS IN EXPLOSIVE AND IN FLAMMABLE ENVIRONMENTS.

**RAL 9005 BLACK SHEATH\*** = PLACES WHERE UV RESISTANCE IS REQUIRED

**TEKNİK ÖZELLİKLER/ TECHNICAL CHARACTERISTIC**

- 1- İLETKEN DİRENÇİ : 0.50 mm<sup>2</sup> = 39 Ω/km  
**CONDUCTOR RESISTANCE (MAX)**  
 0.75 mm<sup>2</sup> = 26 Ω/km  
 1.0 mm<sup>2</sup> = 19.5 Ω/km  
 1.5 mm<sup>2</sup> = 13.3 Ω/km
- 2- YALITIM DİRENÇİ : 5000 MΩXkm  
**INSULATION RESISTANCE (MIN)**
- 3- EFEKTİF KAPASİTE : 0.50 mm<sup>2</sup> = 75 pF/m  
**MUTUAL CAPACITY (MAX)**  
 0.75 mm<sup>2</sup> = 80 pF/m  
 1.0 mm<sup>2</sup> = 90 pF/m  
 1.5 mm<sup>2</sup> = 100 pF/m
- 4- L/R(RATIO) (MAX) : 0.50 mm<sup>2</sup> = 25 mH/Ω  
 0.75 mm<sup>2</sup> = 25 mH/Ω  
 1.0 mm<sup>2</sup> = 25 mH/Ω  
 1.50 mm<sup>2</sup> = 40 mH/Ω

- 5- AKIM TAŞIMA KAPASİTESİ : 0.50 mm<sup>2</sup> = 6.0 A  
**CURRENT LOAD(25°C)**  
 0.75 mm<sup>2</sup> = 13 A  
 1.0 mm<sup>2</sup> = 16 A  
 1.5 mm<sup>2</sup> = 20 A

- 6- ÇALIŞMA VOLTAJİ : 300/500 V.  
**OPERATING VOLTAGE**

- 7- TEST VOLTAJİ : DAMAR/DAMAR=2000 V.  
**TEST VOLTAGE**  
 (core/core)  
 DAMAR/EKRAN=1000 V.  
 (core/screen)

- 8- BÜKÜLME ÇAPI : 10X Kablo Ø  
**BENDING RADIUS**

- 9- ÇALIŞMA SICAKLIĞI : - 40°C~ +80°C (SABİT/FIXED LAYING)  
**TEMPERATURE RANGE**

**EMC\*** = ELEKTROMANYETİK UYUMLU  
 ELECTROMAGNETIC COMPATIBILITY

- 10- ALEV TESTİ : IEC 332-1;VDE 0482-265-2-1  
**FLAME TEST**  
 EN 50265-2-1