

## TİP DENEY RAPORU DEĞERLENDİRME TABLOSU

| MALZEME ADI                                          | İLETKEN BAĞLAYICILARI - PABUÇ                                                                                                                                                                           |                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ÜRETİCİ/SATICI FİRMA ADI                             | BOYDEM YAPI ELEKTRİK MALZEMELERİ SAN. TİC. LTD. ŞTİ.                                                                                                                                                    |                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                      |
| MARKASI                                              | BOYDEM                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                      |
| STANDARTLAR                                          | TS EN IEC 61238-1-3                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                      |
| TEDAŞ ŞARTNAME İŞARETİ                               | TEDAŞ-MLZ/2022-076                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                      |
| İNCELEME TARİHİ                                      | 19.11.2025                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                      |
| METAL TÜRÜ                                           | ALÜMİNYUM                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                | BAKIR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ALÜMİNYUM-BAKIR                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                                      | 1. GRUP                                                                                                                                                                                                 | 2. GRUP                                                                                                                                                                                                                                                                        | 1. GRUP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1. GRUP                                                                                                                                                                                                                                                                                                                                                                                                              |
| UYGUNLUK DURUMU<br>(UYGUN/UYGUN DEĞİL)               | UYGUN                                                                                                                                                                                                   | UYGUN DEĞİL                                                                                                                                                                                                                                                                    | UYGUN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | UYGUN DEĞİL                                                                                                                                                                                                                                                                                                                                                                                                          |
| Tip İşareti                                          | SKP-AD/25-M08,<br>SKP-AD/35-M10,<br>SKP-AD/50-M10,<br>SKP-AD/70-M10<br>SKP-AD/95-M12,<br>SKP-AD/120-M12,<br>SKP-AD/150-M16,<br>SKP-AD/185-M16,<br>SKP-AD/240-M16,<br>SKP-AD/300-M16,<br>SKP-AD/400 -M20 | MKP-95 (25 mm <sup>2</sup> -95 mm <sup>2</sup> ),<br>MKP-150 (35 mm <sup>2</sup> -150 mm <sup>2</sup> ),<br>MKP-240 (95 mm <sup>2</sup> -240 mm <sup>2</sup> ),<br>MKP-300 (120 mm <sup>2</sup> -300 mm <sup>2</sup> ),<br>MKP-400 (185 mm <sup>2</sup> -400 mm <sup>2</sup> ) | SKP-BD/6-M06 (6 mm <sup>2</sup> ),<br>SKP-BD/10-M06 (10 mm <sup>2</sup> ),<br>SKP-BD/10-M08 (10 mm <sup>2</sup> ),<br>SKP-BD/16-M08 (16 mm <sup>2</sup> ),<br>SKP-BD/25-M08 (25 mm <sup>2</sup> ),<br>SKP-BD/25-M10 (25 mm <sup>2</sup> ),<br>SKP-BD/35-M10 (35 mm <sup>2</sup> ),<br>SKP-BD/50-M10 (50 mm <sup>2</sup> ),<br>SKP-BD/50-M12 (50 mm <sup>2</sup> ),<br>SKP-BD/70-M10 (70 mm <sup>2</sup> ),<br>SKP-BD/70-M12 (70 mm <sup>2</sup> ),<br>SKP-BD/95-M12 (95 mm <sup>2</sup> ),<br>SKP-BD/120-M12 (120 mm <sup>2</sup> ),<br>SKP-BD/150-M12 (150 mm <sup>2</sup> ),<br>SKP-BD/150-M16 (150 mm <sup>2</sup> ),<br>SKP-BD/185-M12 (185 mm <sup>2</sup> ),<br>SKP-BD/185-M16 (185 mm <sup>2</sup> ),<br>SKP-BD/240-M12 (240 mm <sup>2</sup> ),<br>SKP-BD/240-M16 (240 mm <sup>2</sup> ) | SKP-AC/16-M10 (16 mm <sup>2</sup> ),<br>SKP-AC/25-M10 (25 mm <sup>2</sup> ),<br>SKP-AC/35-M10 (35 mm <sup>2</sup> ),<br>SKP-AC/50-M12 (50 mm <sup>2</sup> ),<br>SKP-AC/70-M12 (70 mm <sup>2</sup> ),<br>SKP-AC/95-M12 (95 mm <sup>2</sup> ),<br>SKP-AC/120-M12 (120 mm <sup>2</sup> ),<br>SKP-AC/150-M12 (150 mm <sup>2</sup> ),<br>SKP-AC/240-M12 (240 mm <sup>2</sup> ),<br>SKP-AC/400-M16 (400 mm <sup>2</sup> ), |
| Grupta Bulunan Pabuçların Kesitleri/Kesit Aralıkları | 25, 35, 50, 70, 95, 120, 150, 185, 240, 300, 400 mm <sup>2</sup>                                                                                                                                        | (25 mm <sup>2</sup> -95 mm <sup>2</sup> ), (185 mm <sup>2</sup> -400 mm <sup>2</sup> ), (35 mm <sup>2</sup> -150 mm <sup>2</sup> ), (95 mm <sup>2</sup> -240 mm <sup>2</sup> ), (120 mm <sup>2</sup> -300 mm <sup>2</sup> ), (185 mm <sup>2</sup> -400 mm <sup>2</sup> )       | 6, 10, 16, 25, 35, 50, 70, 95, 120, 150, 185, 240 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 16, 25, 35, 50, 70, 95, 120, 150, 240, 400 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                           |

## TEDAŞ Genel Müdürlüğü |Hizmete Özel

|                                                 |               |                                                                                                                                                                                                                                                                                                           |                |                                        |
|-------------------------------------------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------------------------------|
| Sıkmalı Tip/Mekanik Tip                         | Sıkmalı Tip   | Mekanik Tip                                                                                                                                                                                                                                                                                               | Sıkmalı Tip    | Sıkmalı Tip                            |
| Metal Türlerinin Saflık Yüzdeleri               | En Az 97,5    | En Az 97,27 (A)                                                                                                                                                                                                                                                                                           | En Az 99,9     | Al: En Az 99,5<br>Cu: En Az 99,9       |
| Metal Türlerinin Kalay Kaplama Kalınlıkları     | En Az 3 µm    | En Az 3 µm                                                                                                                                                                                                                                                                                                | En Az 3 µm     | (B)                                    |
| Metal Türlerinin Tavlama Dereceleri ve Süreleri | 350°C - 30 dk | 350°C - 30 dk                                                                                                                                                                                                                                                                                             | 550 °C - 30 dk | Al: 350°C - 30 dk<br>Cu: 550°C - 30 dk |
| Cıvataların Kaplama Yöntemleri ve Kalınlıkları  | -             | (B)                                                                                                                                                                                                                                                                                                       | -              | -                                      |
| Cıvataların Adedi                               | -             | (25 mm <sup>2</sup> -95 mm <sup>2</sup> ) (1 cıvatalı),<br>(35 mm <sup>2</sup> -150 mm <sup>2</sup> ) (2 cıvatalı),<br>(95 mm <sup>2</sup> -240 mm <sup>2</sup> ) (2 cıvatalı),<br>(120 mm <sup>2</sup> -300 mm <sup>2</sup> ) (2 cıvatalı),<br>(185 mm <sup>2</sup> -400 mm <sup>2</sup> ) (2 cıvatalı), | -              | -                                      |
| Cıvataların Kalitesi                            | -             | (B)                                                                                                                                                                                                                                                                                                       | -              | -                                      |
| Pabuç Ölçüleri                                  | DIN 46329     | -                                                                                                                                                                                                                                                                                                         | DIN 46235      | -                                      |

## TİP DENEYLER

|                                     |                                                                                                             |                                                                                                                |                                                                                                                                                                                                                        |                                                                                                                                                    |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Sıcaklık Çevrim Deneyi - Madde 6.3  | UYGUN                                                                                                       | UYGUN                                                                                                          | UYGUN                                                                                                                                                                                                                  | UYGUN                                                                                                                                              |
| Rapor No                            | R22.039/01 (95 mm <sup>2</sup> ),<br>R22.039/03 (150 mm <sup>2</sup> ),<br>R.0208-20 (400 mm <sup>2</sup> ) | R22.068/01 (25 mm <sup>2</sup> -95 mm <sup>2</sup> ),<br>R.0037/20 (185 mm <sup>2</sup> -400 mm <sup>2</sup> ) | R22.068/03 (6 mm <sup>2</sup> ),<br>R.0094-17 (10 mm <sup>2</sup> ),<br>R22.005/02 (50 mm <sup>2</sup> ),<br>R.0098-21 (95 mm <sup>2</sup> ),<br>R.0099-21 (150 mm <sup>2</sup> ),<br>R.0102-17 (240 mm <sup>2</sup> ) | R24.015/01 (16 mm <sup>2</sup> ),<br>R24.043/01 (50 mm <sup>2</sup> ),<br>R24.040/01 (150 mm <sup>2</sup> ),<br>R23.075/01 (400 mm <sup>2</sup> ), |
| Yapıldığı Yer                       | BÜSTYAL                                                                                                     | BÜSTYAL                                                                                                        | BÜSTYAL                                                                                                                                                                                                                | BÜSTYAL (R24.015/01),<br>BOYLAB (R24.043/01),<br>BOYLAB (R24.040/01),<br>BÜSTYAL (R23.075/01),                                                     |
| Laboratuvar Akreditasyonu (VAR/YOK) | VAR                                                                                                         | VAR                                                                                                            | VAR                                                                                                                                                                                                                    | VAR                                                                                                                                                |
| Rapor Tarihi                        | 18.01.2022 (R.0204-20),<br>10.11.2022 (R22.039/01),<br>10.11.2022 (R22.039/03),<br>24.05.2022 (R.0208-20)   | 10.11.2022 (R22.068/01),<br>24.07.2020 (R.0037/20)                                                             | 11.04.2023 (R22.068/03),<br>14.09.2017 (R.0094-17),<br>24.05.2022 (R22.005/02),<br>15.12.2021 (R.0098-21),<br>27.12.2021 (R.0099-21),<br>11.07.2018 (R.0102-17)                                                        | 16.04.2024 (R24.015/01),<br>25.11.2024 (R24.043/01),<br>13.12.2024 (R24.040/01),<br>02.02.2024 (R23.075/01)                                        |

## TEDAŞ Genel Müdürlüğü Hizmeti Özel

| Kısa Devre Deneyi - Madde 6.4                                                                                                                     | UYGUN                                                                                                                                             | UYGUN                                                                                                               | UYGUN                                                                                                                                                                                                                  | UYGUN                                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rapor No                                                                                                                                          | R22.039/01 (95 mm <sup>2</sup> ),<br>R22.039/03 (150 mm <sup>2</sup> ),<br>R.0208-20 (400 mm <sup>2</sup> )                                       | R22.068/01 (25 mm <sup>2</sup> -95 mm <sup>2</sup> ),<br>R.0037/20 (185 mm <sup>2</sup> -400 mm <sup>2</sup> )      | R22.068/03 (6 mm <sup>2</sup> ),<br>R.0094-17 (10 mm <sup>2</sup> ),<br>R22.005/02 (50 mm <sup>2</sup> ),<br>R.0098-21 (95 mm <sup>2</sup> ),<br>R.0099-21 (150 mm <sup>2</sup> ),<br>R.0102-17 (240 mm <sup>2</sup> ) | R24.015/01 (16 mm <sup>2</sup> ),<br>R24.060/01 (50 mm <sup>2</sup> ),<br>R24.060/02 (150 mm <sup>2</sup> ),<br>R23.075/01 (400 mm <sup>2</sup> ),         |
| Yapıldığı Yer                                                                                                                                     | BÜSTYAL                                                                                                                                           | BÜSTYAL                                                                                                             | BÜSTYAL                                                                                                                                                                                                                | BÜSTYAL                                                                                                                                                    |
| Laboratuvar Akreditasyonu (VAR/YOK)                                                                                                               | VAR                                                                                                                                               | VAR                                                                                                                 | VAR                                                                                                                                                                                                                    | VAR                                                                                                                                                        |
| Rapor Tarihi                                                                                                                                      | 10.11.2022 (R22.039/01),<br>10.11.2022 (R22.039/03),<br>24.05.2022 (R.0208-20)                                                                    | 10.11.2022 (R22.068/01),<br>24.07.2020 (R.0037/20)                                                                  | 11.04.2023 (R22.068/03),<br>14.09.2017 (R.0094-17),<br>24.05.2022 (R22.005/02),<br>15.12.2021 (R.0098-21),<br>27.12.2021 (R.0099-21),<br>11.07.2018 (R.0102-17)                                                        | 16.04.2024 (R24.015/01),<br>22.11.2024 (R24.060/01),<br>22.11.2024 (R24.060/02),<br>02.02.2024 (R23.075/01)                                                |
| Mekanik Deneyi - Madde 7                                                                                                                          | UYGUN                                                                                                                                             | UYGUN                                                                                                               | UYGUN                                                                                                                                                                                                                  | UYGUN                                                                                                                                                      |
| Rapor No                                                                                                                                          | R25.016/01 (25 mm <sup>2</sup> ),<br>R25.018/01 (95 mm <sup>2</sup> ),<br>R25.022/01 (150 mm <sup>2</sup> ),<br>R25.014/01 (400 mm <sup>2</sup> ) | R24.018/01D1 (25 mm <sup>2</sup> -95 mm <sup>2</sup> ),<br>R24.011/01D1 (185 mm <sup>2</sup> -400 mm <sup>2</sup> ) | R25.047 (6 mm <sup>2</sup> ),<br>R25-028/01 (10 mm <sup>2</sup> ),<br>R25.043 (50 mm <sup>2</sup> ),<br>R25.034/01 (95 mm <sup>2</sup> ),<br>R25.024/01 (150 mm <sup>2</sup> ),<br>R25.020/01 (240 mm <sup>2</sup> ),  | R24.014/01D1 (16 mm <sup>2</sup> ),<br>R24.026/01D1 (50 mm <sup>2</sup> ),<br>R24.025/01D1 (150 mm <sup>2</sup> ),<br>R24.010/01D1 (400 mm <sup>2</sup> ), |
| Yapıldığı Yer                                                                                                                                     | BOYLAB                                                                                                                                            | BOYLAB                                                                                                              | BOYLAB                                                                                                                                                                                                                 | BOYLAB                                                                                                                                                     |
| Laboratuvar Akreditasyonu (VAR/YOK)                                                                                                               | VAR                                                                                                                                               | VAR                                                                                                                 | VAR                                                                                                                                                                                                                    | VAR                                                                                                                                                        |
| Rapor Tarihi                                                                                                                                      | 12.06.2025 (R25.016/01),<br>12.06.2025 (R25.018/01),<br>13.06.2025 (R25.022/01),<br>27.06.2025 (R25.014/01)                                       | 13.06.2025 (R24.018/01),<br>13.06.2025 (R24.011/01)                                                                 | 09.10.2025 (R25.047),<br>25.06.2025 (R25-028/01),<br>04.09.2025 (R25.043),<br>03.07.2025 (R25.034/01),<br>18.06.2025 (R25.024/01),<br>12.06.2025 (R25.020/01),                                                         | 11.06.2025 (R24.014/01D1),<br>11.06.2025 (R24.026/01D1),<br>11.06.2025 (R24.025/01D1),<br>11.06.2025 (R24.010/01D1),                                       |
| <b>NOTLAR</b><br><b>(A)</b> En az %97,5 olmalıdır.<br><b>(B)</b> Pabuçlara ait tip deney raporlarında beyan edilecek ve/veya raporu bulunacaktır. |                                                                                                                                                   |                                                                                                                     |                                                                                                                                                                                                                        |                                                                                                                                                            |