

# Arc Flash Solutions

## Soluciones frente al Arco Eléctrico

Rev. 29

| EN IEC 61482-1-2                    |                     |   |
|-------------------------------------|---------------------|---|
| APC 1 - 4kA                         |                     | APC 2 - 7kA   |
| 410 Stretch Tecvin (-)              | 919 Valen-t (-)     | 817 RI Waterproof Xispal RS + 820 RI Xispal RS (-)          |
| 427 Tecvin Rip Stop (-)             | 936 Valen-t (-) (*) | 825 Xispal RS + 816 Xispal RS (-) (*)                       |
| 443 Tecvin (-)                      | 937 Valen-t (-) (*) | 825 Xispal RS + 817 RI Xispal RS (-)                        |
| 470 Tecvin (-)                      | 938 Valen-t (-) (*) | 825 RI Xispal RS + 817 RI Xispal RS (-)                     |
| 623 Orange (-)                      |                     | 825 RI Xispal RS + 822 Xispal RS (-)                        |
| 623 WTPF Orange (-)                 |                     | 825 RI Xispal RS + 825 Xispal RS (*)                        |
| 625 Orange H.V. (-)                 |                     | 825 RI Stretch Xispal RS + 817 RI Stretch Xispal RS (-) (*) |
| 629 Orange H.V. (-) (*)             |                     | 825 RI Stretch Xispal RS + 817 RI Xispal RS (-)             |
| 635 Orange H.V. (-) (*)             |                     | 825 RI Stretch Xispal RS + 822 Xispal RS (-)                |
| 816 Xispal RS (-) (*)               |                     | 825 RI Stretch Xispal RS + 919 Valen-t (-)                  |
| 817 RI Xispal RS (-) (*)            |                     | 830 Xispal RS + 443 Tecvin (-)                              |
| 817 RI Stretch Xispal RS (*)        |                     | 830 Xispal RS + 816 Xispal RS (-)                           |
| 817 RI Waterproof Xispal RS (-) (*) |                     | 830 Xispal RS + 817 RI Xispal RS (-)                        |
| 820 RI Xispal RS (-) (*)            |                     | 850 RI Softshell Xispal RS (-)                              |
| 822 Xispal RS (-) (*)               |                     | 938 Valen-t + 443 Tecvin (-)                                |
| 822 RI Xispal RS (-) (*)            |                     | 938 Valen-t + 816 Xispal RS (-)                             |
| 825 Xispal RS (-) (*)               |                     | 945 Valen-t (-) (*)   |
| 825 RI Xispal RS (-) (*)            |                     |   |
| 825 RI Stretch Xispal RS (*)        |                     |   |
| 826 RI Xispal RS (-)                |                     |   |
| 830 Xispal RS (-) (*)               |                     |   |
| 830 RI Xispal RS (-) (*)            |                     |   |
| 834 Xispal RS (-) (*)               |                     |   |
| 834 RI Xispal RS (-) (*)            |                     |   |
| 838 Xispal RS (-) (*)               |                     |   |
| 843 Xispal RS (-) (*)               |                     |   |
| 844 Denim Xispal RS                 |                     |   |

| EN IEC 61482-1-1           |                        |                        |   |                        |                        |
|----------------------------|------------------------|------------------------|---|------------------------|------------------------|
| Single Fabric              | ATPV                   | ELIM                   | Multilayer Fabric                                   | ATPV                   | ELIM                   |
|                            | (cal/cm <sup>2</sup> ) | (cal/cm <sup>2</sup> ) |   | (cal/cm <sup>2</sup> ) | (cal/cm <sup>2</sup> ) |
| 421 Stretch Tecvin         | 5,90(*)                | 5,10(*)                | 825 RI Xispal RS + 817 RI Xispal RS                 | 21,00(*)               | 18,00(*)               |
| 422 Rip-Stop Tecvin        | 7,10(*)                | 5,90(*)                | 825 RI Stretch Xispal RS + 817 RI Stretch Xispal RS | 18,00                  | 15,00                  |
| 623 Orange HV              | 5,80                   | 5,40                   | 825 RI Stretch Xispal RS + 822 Xispal RS            | 22,00                  | 14,00                  |
| 629 Orange HV              | 9,30                   | 8,40                   | 830 Xispal RS + 443 Tecvin                          | 20,00                  | 19,00                  |
| 635 Orange HV              | 9,30                   | 8,20                   | 825 RI Xispal RS + 825 Xispal RS                    | 22,00(*)               | 17,00(*)               |
| 816 Xispal RS              | 6,40                   | 4,80                   |   |                        |                        |
| 817 RI Xispal RS           | 6,60(*)                | 5,50(*)                |   |                        |                        |
| 817 RI Stretch Xispal RS   | 6,40(*)                | 5,80(*)                |   |                        |                        |
| 820 RI Xispal RS           | 9,10                   | 6,10                   |   |                        |                        |
| 822 Xispal RS              | 7,60                   | 5,20                   |   |                        |                        |
| 822 RI Xispal RS           | 6,7                    | 4,5                    |   |                        |                        |
| 825 Xispal RS              | 9,60                   | 8,60                   |   |                        |                        |
| 825 RI Xispal RS           | 14,00(*)               | 11,00(*)               |   |                        |                        |
| 825 RI Stretch Xispal RS   | 9,3(-)/11,00(*)        | 5,8(-)/7,60(*)         |   |                        |                        |
| 826 RI Xispal RS           | 14,00(*)               | 11,00(*)               |   |                        |                        |
| 830 Xispal RS              | 12,00                  | 10,00                  |   |                        |                        |
| 830 RI Xispal RS           | 9,90                   | 8,60                   |   |                        |                        |
| 834 Xispal RS              | 14,00                  | 10,00                  |   |                        |                        |
| 838 Xispal RS              | 19,00                  | 16,00                  |   |                        |                        |
| 850 RI Softshell Xispal RS | 41,00                  | 24,00                  |   |                        |                        |
| 919 Valen-t                | 11,00                  | 9,90                   |   |                        |                        |
| 936 Valen-t                | 9,50                   | 8,10                   |   |                        |                        |
| 938 Valen-t                | 9,70                   | 6,70                   |   |                        |                        |
| 945 Valen-t                | 18,00                  | 13,00                  |   |                        |                        |

(-) test at the standard pre-treatment

(\*) test 50 cycles

(s) Scouting



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### ASTM F1959 / NFPA 70E

|              |                                       |
|--------------|---------------------------------------|
| Category I   | $4 \geq \text{ATPV (cal/cm}^2) < 8$   |
| Category II  | $8 \geq \text{ATPV (cal/cm}^2) < 25$  |
| Category III | $25 \geq \text{ATPV (cal/cm}^2) < 40$ |
| Category IV  | $\text{ATPV (cal/cm}^2) \geq 40$      |

#### Single Fabric

|                     |                |
|---------------------|----------------|
| 443 Tecvin          | Category I     |
| 625 Orange HV       | Category I     |
| 816 Xispal RS       | Category I     |
| 817 RI Xispal RS    | Category I     |
| 820 RI Xispal RS    | Category II    |
| 822 RI Xispal RS    | Category II    |
| 825 Xispal RS       | Category II    |
| 826 RI Xispal RS    | Category II    |
| 830 Xispal          | Category II    |
| 834 Xispal RS       | Category II    |
| 834 RI Xispal RS    | Category II    |
| 838 Xispal RS       | Category II    |
| 843 Xispal RS       | Category II    |
| 844 Denim Xispla RS | Category II    |
| Cardigan Xispal RS  | Category II    |
| 919 Valen-t         | Category II    |
| 936 Valen-t         | Category II    |
|                     | Category II(*) |
| 937 Valen-t         | Category II    |
| 938 Valen-t         | Category II    |
| 945 Valen-t         | Category II    |

#### Multilayer Fabric

(-) test at the standard pre-treatment

(\*) test 50 cycles

(s) Scouting

**Lenard**  
Technical Fabrics