

# Arc Flash Solutions

## Soluciones frente al Arco Eléctrico

Rev. 30

### EN IEC 61482-1-2

APC 1 - 4kA	APC 2 - 7kA
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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 + 822 RI Xispal RS (-)
625 Orange H.V. (-)		825 RI Xispal RS + 825 Xispal RS (*)
629 Orange H.V. (-) (*)		825 RI Stretch Xispal RS + 817 RI Stretch Xispal RS (-) (*)
635 Orange H.V. (-) (*)		825 RI Stretch Xispal RS + 817 RI Xispal RS (-)
816 Xispal RS (-) (*)		825 RI Stretch Xispal RS + 822 Xispal RS (-)
817 RI Xispal RS (-) (*)		825 RI Stretch Xispal RS + 919 Valen-t (-)
817 RI Stretch Xispal RS (*)		830 Xispal RS + 443 Tecvin (-)
817 RI Waterproof Xispal RS (-) (*)		830 Xispal RS + 816 Xispal RS (-)
820 RI Xispal RS (-) (*)		830 Xispal RS + 817 RI Xispal RS (-)
822 Xispal RS (-) (*)		850 RI Softshell Xispal RS (-)
822 RI Xispal RS (-) (*)		938 Valen-t + 443 Tecvin (-)
825 Xispal RS (-) (*)		938 Valen-t + 816 Xispal RS (-)
825 RI Xispal RS (-) (*)		945 Valen-t (-) (*)
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 (cal/cm <sup>2</sup> )	ELIM (cal/cm <sup>2</sup> )	Multilayer Fabric	ATPV (cal/cm <sup>2</sup> )	ELIM (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 70 E

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