

# REINFORCED PA 6.6 INSULATED TERMINALS KY-U

## *fork/spade terminals*

'KY' type terminals are designed to offer improved mechanical and electrical integrity under heavy-duty application. This is achieved via a Copper sleeve located between the Copper barrel and Polyamide insulation of the terminal. Then, during crimping, the insulation of the conductor is integrated into the crimp due to the Copper sleeve being deformed around it to maintain the level of 'grip' required in applications subject to continuous mechanical vibrations (e.g: mobile plant, vehicles, moving components).



## Technical details


"KY" type terminals are manufactured from electrolytic Copper Cu-ETP CWO04A according to UNI EN 13599 and are tin plated to a minimum thickness of 3m.

Main characteristics of the PA6.6 sleeve:

- >DIELECTRIC STRENGTH (kV/mm) : >16,5
- >VOLUME RESISTIVITY ( $\Omega$ /cm) : >1013
- >MAX OPERATING TEMPERATURE ( $^{\circ}$ C) : 105
- >FLAMMABILITY' (UL-94) : V-2
- >DENSITY (g/cm<sup>3</sup>) : 1,14
- >WATER ABSORPTION (%) : 1,5
- >BREAKING LOAD (N/mm<sup>2</sup>) : 77

"KY" type terminals can be stored at a minimum temperature not below - 40°C.

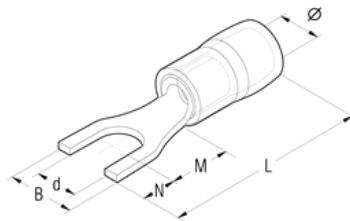
CERTIFICATES 

 2011/65/EU

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## *Technical characteristics*

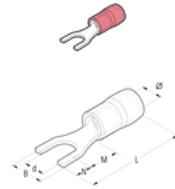
Easy entry	yes
Halogen Free	yes
UL94 class	V2
Min operating temperature range	-20 °C
Max operating temperature range	105 °C
Max operating temperature range (surge)	110 °C
Dimensional form	Fork/spade terminal
Material (Body)	ETP Copper electrolytically tinned
Material (Partially reinforced)	Polyamide PA6.6







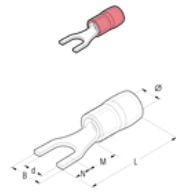
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## List of products

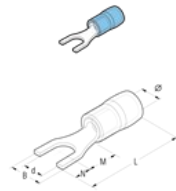
**RKY-U** Cable type: copper, Minimum section: 0.25 mm<sup>2</sup>, Maximum section: 1.5 mm<sup>2</sup>



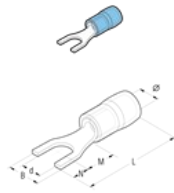
	Type	Colour	Ø	B	M	N	L	d	Pack qty	Min. pack qty	
	RKY-U3	Red	4.5 mm	5.7 mm	6.5 mm	4.5 mm	22 mm	3.2 mm	2,500	100	
	RKY-U3.5	Red	4.5 mm	5.7 mm	6.5 mm	4.5 mm	22 mm	3.7 mm	3,000	100	
	RKY-U4	Red	4.5 mm	6.4 mm	6.5 mm	4.5 mm	22 mm	4.3 mm	3,000	100	
	RKY-U5	Red	4.5 mm	8.1 mm	6.5 mm	4.5 mm	22 mm	5.3 mm	3,000	100	
	RKY-U6	Red	4.5 mm	9.5 mm	6.5 mm	4.5 mm	22 mm	6.4 mm	3,000	100	
	RKY-U6/1	Red	4.5 mm	12 mm	6.5 mm	4.5 mm	28 mm	6.4 mm	2,000	100	


**RKY-U** Cable type: flexible copper, Minimum section: 0.25 mm<sup>2</sup>, Maximum section: 1.5 mm<sup>2</sup>


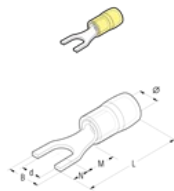
	Type	Colour	Ø	B	M	N	L	d	Pack qty	Min. pack qty	
	RKY-U3	Red	4.5 mm	5.7 mm	6.5 mm	4.5 mm	22 mm	3.2 mm	2,500	100	
	RKY-U3.5	Red	4.5 mm	5.7 mm	6.5 mm	4.5 mm	22 mm	3.7 mm	3,000	100	
	RKY-U4	Red	4.5 mm	6.4 mm	6.5 mm	4.5 mm	22 mm	4.3 mm	3,000	100	
	RKY-U5	Red	4.5 mm	8.1 mm	6.5 mm	4.5 mm	22 mm	5.3 mm	3,000	100	
	RKY-U6	Red	4.5 mm	9.5 mm	6.5 mm	4.5 mm	22 mm	6.4 mm	3,000	100	
	RKY-U6/1	Red	4.5 mm	12 mm	6.5 mm	4.5 mm	28 mm	6.4 mm	2,000	100	







**BKY-U** Cable type: copper, Minimum section: 1.5 mm<sup>2</sup>, Maximum section: 2.5 mm<sup>2</sup>


	Type	Colour	Ø	B	M	N	L	d	Pack qty	Min. pack qty	
	BKY-U3	Blue	5.2 mm	5.7 mm	11 mm	6 mm	22 mm	3.2 mm	3,000	100	
	BKY-U3.5	Blue	5.2 mm	6 mm	6.5 mm	4.5 mm	22 mm	3.7 mm	2,500	100	
	BKY-U4	Blue	5.2 mm	6.4 mm	6.5 mm	4.5 mm	22 mm	4.3 mm	2,500	100	
	BKY-U5	Blue	5.2 mm	7.9 mm	6.5 mm	4.5 mm	22 mm	5.3 mm	2,500	100	
	BKY-U6	Blue	5.2 mm	9.3 mm	6.5 mm	4.5 mm	22 mm	6.4 mm	2,000	100	
	BKY-U6/1	Blue	5.2 mm	12 mm	11 mm	6 mm	28 mm	6.4 mm	2,000	100	

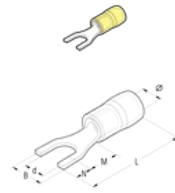
**BKY-U** Cable type: flexible copper, Minimum section: 1.5 mm<sup>2</sup>, Maximum section: 2.5 mm<sup>2</sup>







	Type	Colour	Ø	B	M	N	L	d	Pack qty	Min. pack qty	
	BKY-U3	Blue	5.2 mm	5.7 mm	11 mm	6 mm	22 mm	3.2 mm	3,000	100	
	BKY-U3.5	Blue	5.2 mm	6 mm	6.5 mm	4.5 mm	22 mm	3.7 mm	2,500	100	
	BKY-U4	Blue	5.2 mm	6.4 mm	6.5 mm	4.5 mm	22 mm	4.3 mm	2,500	100	
	BKY-U5	Blue	5.2 mm	7.9 mm	6.5 mm	4.5 mm	22 mm	5.3 mm	2,500	100	
	BKY-U6	Blue	5.2 mm	9.3 mm	6.5 mm	4.5 mm	22 mm	6.4 mm	2,000	100	
	BKY-U6/1	Blue	5.2 mm	12 mm	11 mm	6 mm	28 mm	6.4 mm	2,000	100	

**GKY-U** Cable type: flexible copper, Minimum section: 4 mm<sup>2</sup>, Maximum section: 6 mm<sup>2</sup>


	Type	Colour	Ø	B	M	N	L	d	Pack qty	Min. pack qty	
	GKY-U3.5	Yellow	7 mm	7.2 mm	7.5 mm	3.9 mm	24.4 mm	3.7 mm	1,500	100	
	GKY-U4	Yellow	7 mm	7.2 mm	7.5 mm	3.9 mm	24.4 mm	4.3 mm	1,000	100	
	GKY-U5	Yellow	7 mm	9 mm	7 mm	5.5 mm	25.5 mm	5.3 mm	1,000	100	
	GKY-U6	Yellow	7 mm	12 mm	12 mm	6.5 mm	31.5 mm	6.4 mm	1,000	100	
	GKY-U8	Yellow	7 mm	14 mm	11 mm	7 mm	30.5 mm	8.4 mm	1,000	100	

**GKY-U** Cable type: copper, Minimum section: 4 mm<sup>2</sup>, Maximum section: 6 mm<sup>2</sup>



	Type	Colour	Ø	B	M	N	L	d	Pack qty	Min. pack qty	
	GKY-U3.5	Yellow	7 mm	7.2 mm	7.5 mm	3.9 mm	24.4 mm	3.7 mm	1,500	100	
	GKY-U4	Yellow	7 mm	7.2 mm	7.5 mm	3.9 mm	24.4 mm	4.3 mm	1,000	100	
	GKY-U5	Yellow	7 mm	9 mm	7 mm	5.5 mm	25.5 mm	5.3 mm	1,000	100	
	GKY-U6	Yellow	7 mm	12 mm	12 mm	6.5 mm	31.5 mm	6.4 mm	1,000	100	
	GKY-U8	Yellow	7 mm	14 mm	11 mm	7 mm	30.5 mm	8.4 mm	1,000	100	