

The most technical installations in many cases require an unmistakable colour identification of the conductors. In these installations, the colour of the cables becomes a matter of maximum importance. There are also many occasions when the cable is needed, usually due to esthetical reasons, to correspond as far as possible to a certain colour.

Cables RCT has developed an innovative preparation of plastic material system that enables us to offer practically any colour or tone.

Thanks to this system, the colour maintains its uniformity

Frequently asked questions

What does “made to measure colour” mean? Cables RCT has developed a new production system that enables us to obtain practically any colour so we are able to attend to any of our clients’ needs, producing all our cables with the desired colour, guaranteeing that the colour will always be the same, even among different production batches.

Is it possible that “made to measure colour” can be applied to all of Cables RCT products? Yes, it is!

Then, can a RZ1-K (AS) cable be produced with let’s say, a brown colour? Yes, it can. But we have to take into account that the standard states that RZ1-K (AS) cables must have a green sheath so this hypothetical brown cable would not conform with the compulsory requirements so would not be able to bare the Aenor stamp.

Could other cables be produced in any colour, such as light blue? Yes and no. In order to make the desired colour, we need to clearly identify the RAL reference. The everyday way to describe colours is not precise enough: How “light” is “light blue”? So, we can produce the colour we are asked for, as long as we are given the precise RAL reference.

What is RAL reference? It is an international standard colour code used in the industrial field. This code gives a number and a name to every colour in such a way to define the colour perfectly which is clear to all parties concerned. In some sectors, other references such as Pantone, CMYK and Coloroid are used.

What does RAL mean? The initials RAL come from a German commission specialized in the technical definition for terms related to quality assurance: Reichsausschub fur Lieferbedingungen und Gutesicherung. Further information about RAL can be found at www.ral-farben.de

How can I find out what is the RAL reference for a certain colour? For this, a RAL colour chart must be used which is used as the standard and the desired colour is compared to those on the chart. If the reference number is not known beforehand, and you have no access to the RAL colour chart, it would be very easy to provide us with a sample and we would happily find the correct RAL reference number. If desired, you can buy different colour types at the Ral web page with prices ranging from 10 euros to 1,750 euros.

throughout different production batches, thus enabling it to guarantee the same colour, regardless of the passing of time.

We use the RAL code for this purpose: RAL reference enables us to work with complete assurance and to obtain the desired colour with exact precision.

If you wish further information, we suggest you get in touch with your commercial manager who will inform you of technical requirements and certain minimum quantities.

Are there any limits? Although there are some colours that in theory cannot be produced, at the moment, there are no limits. However, depending on the colour requested, we may ask for a minimum production quantity.

Is there a chart available that shows the minimum quantity for any colour? We have a simplified chart attached that can be referred to in order to get an idea in most cases. It is, however, absolutely impossible to prepare a chart with all the possibilities as the number of reference colours reaches thousands. It has to be taken into account that each new colour must be dealt with as a small project as the process differences and the prices may be very significant for very similar colours, so we suggest the minimum quantities be confirmed before taking a definite decision.

Will there always be a minimum production quantity for colours from the chart? We do not believe so. We think some colours will be of interest to more than only one of our clients: we shall progressively include these as standard colours and will regularly inform our sales department.

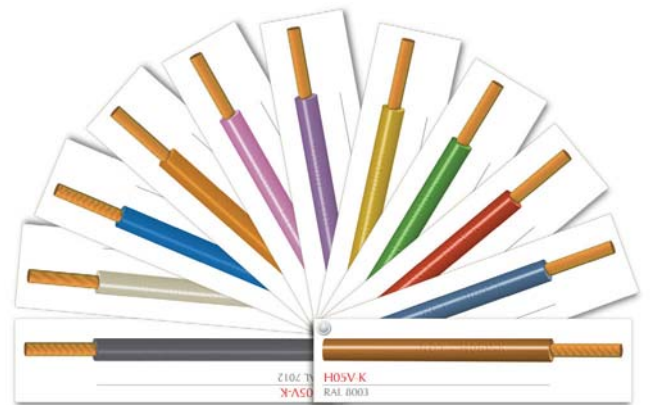
Is a perfect uniformity of standard colours of different batches also guaranteed? No. The standard production process enables us to obtain a very similar colour among different batches but the guarantee of “made to measure” gives a considerably higher production cost to that of the normal process. Our clients usually prefer a reasonably stable colour for normal cables at a competitive price than a “perfect” colour at a higher price.

Are “made to measure” cables more expensive? We always try to be as competitive as possible but the production process is considerably slower and the raw materials used are more expensive so this must be considered when fixing our prices.



Standard colours (without a minimum quantity)	
mm ²	H05V-K y H07V-K
0,5	[Black][Grey][Blue][Brown][Red][Green][Yellow][Purple][Pink][Orange][Dark Blue]
0,75	[Black][Grey][Blue][Brown][Red][Green][Yellow][Purple][Pink][Orange][Dark Blue]
1	[Black][Grey][Blue][Brown][Red][Green][Yellow][Purple][Pink][Orange][Dark Blue]
1,5	[Black][Grey][Blue][Brown][Red][Green][Yellow][Purple][Pink][Orange][Dark Blue]
2,5	[Black][Grey][Blue][Brown][Red][Green][Yellow][Purple][Pink][Orange][Dark Blue]
4	[Black][Grey][Blue][Brown][Red][Green][Yellow][Purple][Pink][Orange][Dark Blue]
6	[Black][Grey][Blue][Brown][Red][Green][Yellow][Purple][Pink][Orange][Dark Blue]
10	[Black][Grey][Blue][Brown][Red][Green][Yellow][Purple][Pink][Orange][Dark Blue]
16	[Black][Grey][Blue][Brown][Red][Green][Yellow][Purple][Pink][Orange][Dark Blue]
25	[Black][Grey][Blue][Brown][Red][Green][Yellow][Purple][Pink][Orange][Dark Blue]
35	[Black][Grey][Blue][Brown][Red][Green][Yellow][Purple][Pink][Orange][Dark Blue]
50	[Black][Grey][Blue][Brown][Red][Green][Yellow][Purple][Pink][Orange][Dark Blue]
70	[Black][Grey][Blue][Brown][Red][Green][Yellow][Purple][Pink][Orange][Dark Blue]
mm ²	H07V-U y H07V-R
1,5	[Black][Grey][Blue][Brown][Red][Purple][Pink][Orange]
2,5	[Black][Grey][Blue][Brown][Red][Purple][Pink][Orange]
6	[Black][Grey][Blue][Brown][Red][Purple][Pink][Orange]
10	[Black][Grey][Blue][Brown][Red][Purple][Pink][Orange]
16	[Black][Grey][Blue][Brown][Red][Purple][Pink][Orange]
25	[Black][Grey][Blue][Brown][Red][Purple][Pink][Orange]
35	[Black][Grey][Blue][Brown][Red][Purple][Pink][Orange]
mm ²	ES05Z1-K(AS) y H07Z1-K(AS)
0,5	[Black][Grey][Blue][Brown][Red][Green][Yellow][Purple][Pink][Orange][Dark Blue]
0,75	[Black][Grey][Blue][Brown][Red][Green][Yellow][Purple][Pink][Orange][Dark Blue]
1	[Black][Grey][Blue][Brown][Red][Green][Yellow][Purple][Pink][Orange][Dark Blue]
1,5	[Black][Grey][Blue][Brown][Red][Green][Yellow][Purple][Pink][Orange][Dark Blue]
2,5	[Black][Grey][Blue][Brown][Red][Green][Yellow][Purple][Pink][Orange][Dark Blue]
4	[Black][Grey][Blue][Brown][Red][Green][Yellow][Purple][Pink][Orange][Dark Blue]
6	[Black][Grey][Blue][Brown][Red][Green][Yellow][Purple][Pink][Orange][Dark Blue]
10	[Black][Grey][Blue][Brown][Red][Green][Yellow][Purple][Pink][Orange][Dark Blue]
16	[Black][Grey][Blue][Brown][Red][Green][Yellow][Purple][Pink][Orange][Dark Blue]
25	[Black][Grey][Blue][Brown][Red][Green][Yellow][Purple][Pink][Orange][Dark Blue]
35	[Black][Grey][Blue][Brown][Red][Green][Yellow][Purple][Pink][Orange][Dark Blue]
50	[Black][Grey][Blue][Brown][Red][Green][Yellow][Purple][Pink][Orange][Dark Blue]
70	[Black][Grey][Blue][Brown][Red][Green][Yellow][Purple][Pink][Orange][Dark Blue]
mm ²	H07Z-R(AS)
1,5	[Black][Grey][Blue][Brown][Red][Green][Yellow][Purple][Pink][Orange][Dark Blue]
2,5	[Black][Grey][Blue][Brown][Red][Green][Yellow][Purple][Pink][Orange][Dark Blue]
10	[Black][Grey][Blue][Brown][Red][Green][Yellow][Purple][Pink][Orange][Dark Blue]
16	[Black][Grey][Blue][Brown][Red][Green][Yellow][Purple][Pink][Orange][Dark Blue]

RAL Standard colours in RCT					
[Black]	9005	pitch black	[Green]	6018	yellowish green
[Grey]	7000	squirrel grey	[Yellow]	1021	yellow
[Blue]	5015	sky blue	[Purple]	4005	bluish lilac
[Brown]	8003	brown clay	[Pink]	3015	light pink
[White]	1021	yellow	[Light Orange]	1015	light ivory
[Light Green]	6018	yellowish green	[Orange]	2003	pale orange
[Light Grey]	1013	pearl white	[Dark Blue]	5002	sea blue
[Red]	3000	red hot	[Dark Grey]	7012	basalt grey



Minimum quantity of cables of made to measure coloured cables *			
Section mm ²	Single-core	Multi-core from 2 up to 5 conductors	Multi-core from 6 up to 37 conductors
0,5	5.000	5.000	4.000
0,75	5.000	5.000	3.000
1	5.000	5.000	2.000
1,5	5.000	5.000	1.500
2,5	5.000	5.000	1.000
4	3.000	3.000	1.000
6	3.000	2.000	1.000
10	2.000	2.000	
16	2.000	1.000	
25	2.000	1.000	
35	2.000	500	
50	1.000	500	
70	1.000	500	
95	1.000	500	
120	1.000	300	
150	500	300	
185	500	300	
240	500	200	
300	500		
400	500		

* Approximate values