

# Isyntha Ribbon Cable – colour coded – R 2.54

FBL-ZGL Ribbon cable with prebonded conductors  
(AWG 28, AWG 26, AWG 24, AWG 22)

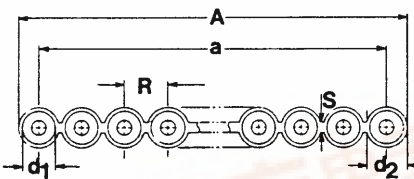
## Application:

Data and signal control, electrical appliances, audio visual, equipment wiring.

## Construction:

With FL-ZGL:

Stranded copper conductors 7 x 0.127 mm (AWG 28), ZGL-prebonded  
Stranded copper conductors 7 x 0.160 mm (AWG 26), ZGL-prebonded  
Stranded copper conductors 7 x 0.200 mm (AWG 24), ZGL-prebonded  
Stranded copper conductors 7 x 0.250 mm (AWG 22), ZGL-prebonded  
Insulation: PVC (+70° C) insulation and jacket  
Identification: Brown, red, orange, yellow, green, blue, violet, grey, white, black.  
Colour code repeating after ten conductors.



### Dimensions:

- a – Nominal span  $a = (n-1) \times 2.54 \text{ mm}$
- A – Overall width  $A = (n-1) \times 2.54 + d$
- R – Conductor spacing  $R = 2.54 \pm 0.10 \text{ mm}$
- S – Nominal thickness  $S = 0.35 \pm 0.05 \text{ mm}$

Type	AWG	Conductor size mm <sup>2</sup>	No. of conductors n	Spacing (R) mm	∅: d <sub>1</sub> mm	Outside diameter d <sub>2</sub> mm
FBL-ZGL	28	0.08	2 to 20	2.54	1.0	1.40
FBL-ZGL	26	0.14	2 to 20	2.54	1.0	1.40
FBL-ZGL	24	0.22	2 to 20	2.54	1.3	1.70
FBL-ZGL	22	0.35	2 to 20	2.54	1.3	1.70

Selection of most commonly used FBL-ZGL cable and conductors

No. of conductors n	AWG 28 and AWG 26 cable size in mm d / A	AWG 24 and AWG 22 cable size in mm d / A
2	1.40 / 3.94	1.70 / 4.24
3	1.40 / 6.48	1.70 / 6.78
50-427/431 4	1.40 / 9.02	1.70 / 9.32
5	1.40 / 11.56	1.70 / 11.86
50-428/432 6	1.40 / 14.10	1.70 / 14.40
7	1.40 / 16.64	1.70 / 17.04
50-429/433 8	1.40 / 19.18	1.70 / 19.48
50-430/434 10	1.40 / 24.26	1.70 / 24.56
12	1.40 / 29.34	1.70 / 29.64
16	1.40 / 39.50	1.70 / 39.80
20	1.40 / 49.66	1.70 / 49.96

## Technical Specification:

Voltage rating: 500 V/50 Hz

Test voltage: 2000 V/50 Hz

Nominal resistance:

- AWG 28 max. 242 Ohms/km at +20° C
- AWG 26 max. 132 Ohms/km at +20° C
- AWG 24 max. 87.2 Ohms/km at +20° C
- AWG 22 max. 55.8 Ohms/km at +20° C

Insulation resistance: min. 20 MOhms/km at +20° C

## Order Information:

FBL-ZGL 10 x 0.08 Catalogue no. 05 027010

FBL-ZGL 10 x 0.14 Catalogue no. 05 027110

FBL-ZGL 10 x 0.22 Catalogue no. 05 027210

FBL-ZGL 10 x 0.35 Catalogue no. 05 027310

The last two numbers always refer to the number of conductors in the cable.