

CQR are a UK cable manufacturer specialising in low voltage cables for the electrical and security industry established in 1978.

In 2023, CQR invested over £1m in our UK manufacturing facility for:

Expansion: New cable types

Growth: Additional capacity

Quality: Advanced production checks

In 2025, we have an expanding range of intruder alarm and belden equivalent cables:

- ✓ Full range of of CPR (Construction Product Regulation) EN50575 cables
- ✓ BS4737 Cables: Type 1, Type 2 and Type 3
- ✓ Independently tested and accredited by leading test houses
- ✓ Branded and OEM manufacture for the worlds leading brands

BELDEN EQUIVALENT CABLES & UNDERSTANDING CPR FOR CABLE

CPR (Construction Products Regulation) only relates to the way in which cables react to fire and not the way they resist fire (continue to operate in a fire e.g. fire cables). Simply put, cables are given classifications according to their performance in a fire (how they REACT). There are 7 classes of cables ranging from Aca (best) – Fca (worst) (Aca, B1ca, B2ca, Cca, Dca, Eca, Fca)

Euro class Cca, s1a, d0, a1

1. Fire performance class 2. Applicable to cable
3. Acidity rating 4. Droplets rating 5. Smoke rating

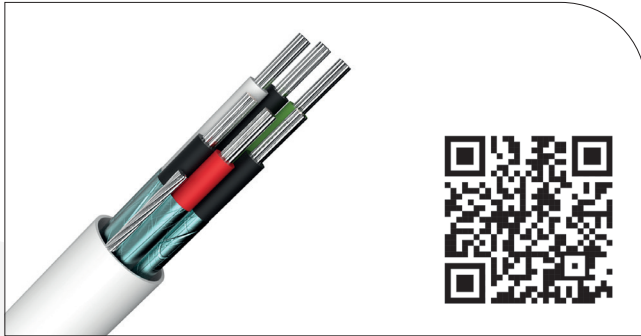
Reaction to Fire BS EN ISO 1716				
A_{ca}	Does not contribute to the fire			
Reaction to Fire BS EN 50399		Smoke Production BS EN 50499/BS EN 61034-2	Flaming Droplets BS EN 50499	Smoke Acidity BS EN 61034-2
B1_{ca}	Minimum contribution to the fire	This test is based on how clear the smoke is when released during the test:	This test measures how many droplets or particles fall from cable during the test:	This test measures how acidic the produced smoke is:
B2_{ca}	Combustible, low flame spread & heat release contribution to the fire	s1a: <80% s1b: >80% to <80% s1c: Low production of smoke produced	d0: No burning droplets or particles d1: Fall of droplets or particles test no longer than 10 seconds d2: Non of above	a1: Very low acidity <2.5 µS/mm & pH >4.3 a2: Low acidity <10 µS/mm & pH >4.3 a3: Non of above
C_{ca}	Combustible, moderate flame spread & heat release	s2: Average smoke produced		
D_{ca}	Combustible, moderate flame spread & high levels of generated heat	s3: Non of above		
Reaction to Fire BS EN 60332-1-2		Class A to E cables have to be tested by an independent authorised laboratory.		
E_{ca}	Combustible, limited fire spread of less than 425mm			
F_{ca}	Combustible, fire spread more than 425mm			

A Class “Aca” cable would be the very best performing cable during a fire and a Class “Fca” would be the worst performing cable under CPR. The class represents the cables performance to the CPR requirements and not to any product standard to which it claims compliance (e.g. BS 4737). The classes of the cables may be specified by the client or may not be. In the UK, there are no official regulations stating which classes must be used for which applications. For instance, a client could ask for CPR Euro class Cca minimum. In some parts of Europe, the national

regulatory review body is defining which class should be used in a specific application.

In the UK, BS 6701:2016+A1:2017 gives specifiers and consultants a set of guidelines for telecommunications cables, although this is supplementary and optional to the IET Wiring Regulations (BS 7671). The 18th Edition IET Wiring Regulations (BS 7671) does not specify Euro classes for specific applications, so specifiers and installers need to ensure the cables they select are appropriate for the fire risks in the building or application and any contractual terms.

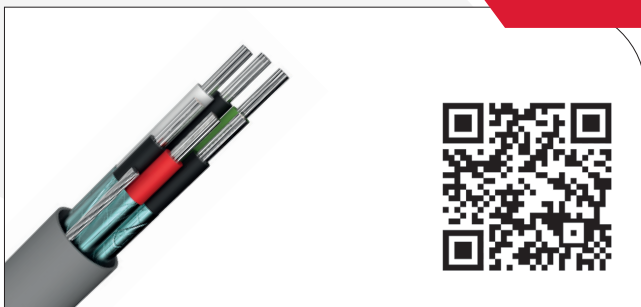
BELDEN EQUIVALENT 8723



CPR	SHEATHING	LENGTH (M)	COLOUR	PART CODE
B2ca-s1a,d0,a1	LSZH	100 M	Grey	CABS8723HF/GY/100/B
B2ca-s1a,d0,a1	LSZH	300 M	Grey	CABS8723HF/GY/300/B
Cca-s1a,d0,a1	LSZH	100 M	Grey	CABS8723HF/GY/100/C
Dca-s1a,d0,a1	LSZH	100 M	Grey	CABS8723HF/GY/100/D
Eca	PVC	100 M	Grey	CABTP2X2/GY/100
Eca	PVC	100 M	White	CABTP2X2/WH/100
Eca	LSF	100 M	Grey	CABTPHF/2X2/LSF/100
Eca	LSZH	100 M	White	CABTPHF/2X2/WH/100
Eca	LSZH	500 M	White	CABTPHF2X2/WH/500
Fca	NEW	HDPE	100 M	CABS8723HD/BK/100/F
Fca	NEW	HDPE	200 M	CABS8723HD/BK/200/F

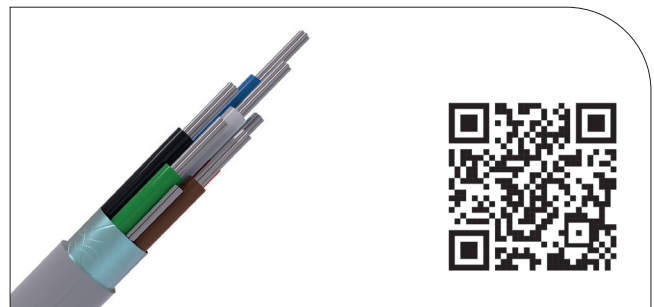
BELDEN EQUIVALENT 8777

NEW



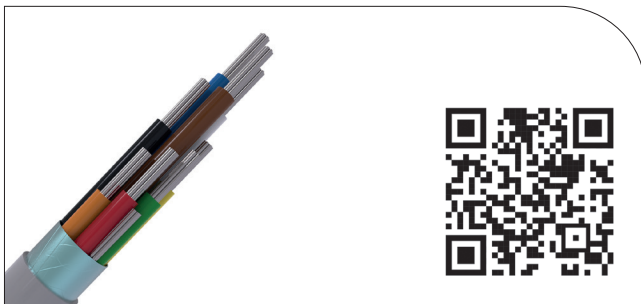
CPR	SHEATHING	LENGTH (M)	COLOUR	PART CODE
Eca	NEW	PVC	100 M	CABTP3X2/1C/AB
Fca	NEW	HDPE	100 M	CABS8777HD/BK/100/F

BELDEN EQUIVALENT 9536



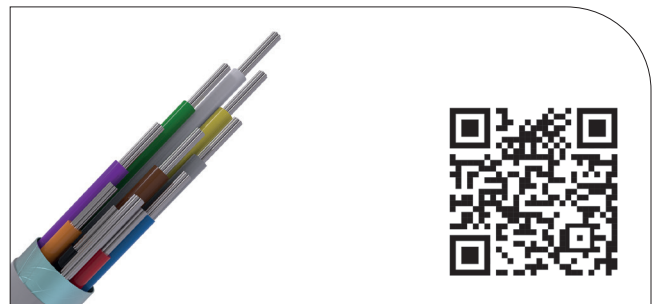
CPR	SHEATHING	LENGTH (M)	COLOUR	PART CODE
Eca	LSF	100 M	Grey	CABS6/GY/LSF/100
Fca	NEW	HDPE	100 M	CABS9536HD/BK/100/F

BELDEN EQUIVALENT 9538



CPR	SHEATHING	LENGTH (M)	COLOUR	PART CODE
B2ca-s1a,d0,a1	LSZH	100 M	Grey	CABS9538HF/GY/100/B
Cca-s1a,d0,a1	LSZH	100 M	Grey	CABS9538HF/GY/100/C
Dca-s1a,d0,a1	LSZH	100 M	Grey	CABS9538HF/GY/100/D
Eca	LSF	100 M	Grey	CABS8/GY/LSF/100
Eca	LSF	300 M	Grey	CABS8/GY/LSF/300
Fca	NEW	HDPE	100 M	CABS9538HD/BK/100/F

BELDEN EQUIVALENT 9540



CPR	SHEATHING	LENGTH (M)	COLOUR	PART CODE
Cca-s1a,d0,a1	LSZH	100 m	Grey	CABS9540HF/GY/100/C
Dca-s1a,d0,a1	LSZH	100 M	Grey	CABS9540HF/GY/100/D
Eca	LSF	100 M	Grey	CABS10/GY/LSF/100
Eca	LSF	200 M	Grey	CABS10/GY/LSF/200
Fca	NEW	HDPE	100 M	CABS9540HD/BK/100/F