

Part Number

WAVE CABLES 

WC-CAT6A-C6A-4P23S-XX-B2CA

23 AWG INDOOR CAT 6A F/UTP LOW SMOKE ZERO HALOGEN SHEATH NETWORK CABLE

Overall Foil Screen • Low Smoke Zero Halogen •
B2ca fire rating (CPR)

Version Number
V1.0

Date
08/09/26

CABLE USE CASE

Biometric Readers Utilising PoE,
Intercom Utilising PoE, Cameras
Utilising PoE and Data

CABLE CONSTRUCTION

4 Pair Cat6A Shielded

INSULATION

Extruded HDPE (High Density
Polyethylene)

OVERALL SHIELD

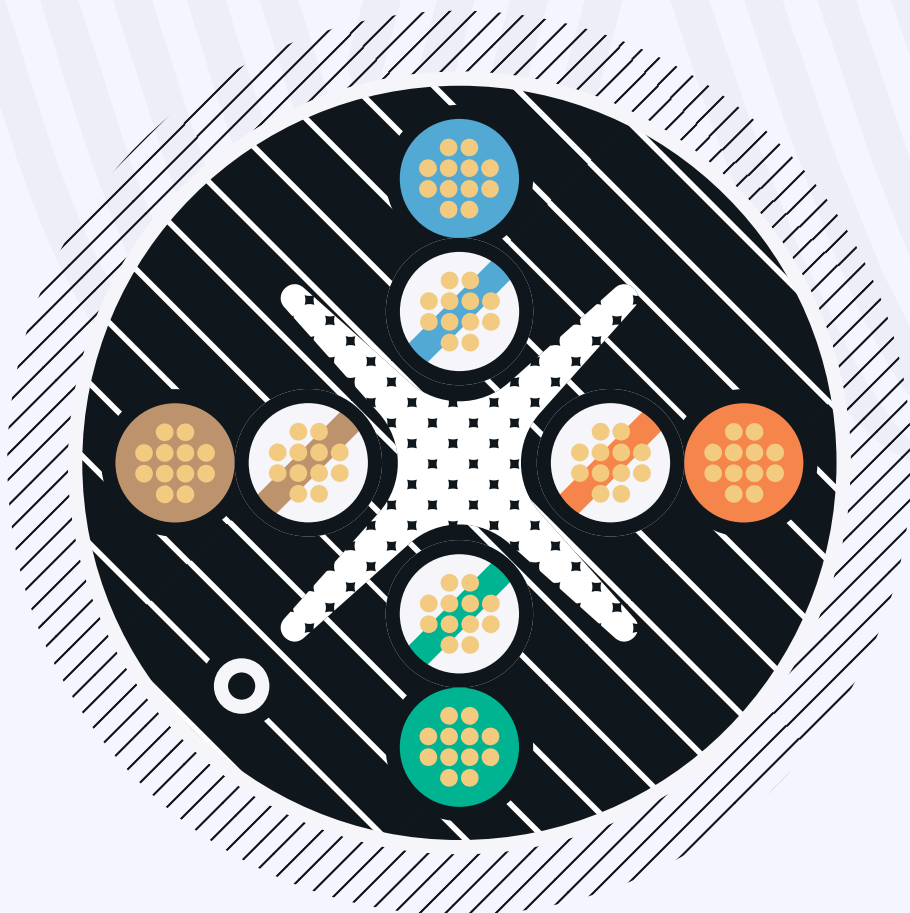
Aluminium/polyester foil shield

RIPCORD

Easy-strip ripcord for quick sheath
removal.

INNER SHEATH

Extruded LSZH (Low Smoke Zero
Halogen)



● Conductor • ■ Dividing Spline • ■ Collective Screen

▨ Outer Sheath • ■ Cores • ● Ripcord

ELECTRICAL CHARACTERISTICS @20°C

Max Conductor Resistance	145 Ω/km
DC Conductor Resistance Unbalance	2 %
Insulation Resistance	2 GΩ x km
Mutal Capacitance	45 ± 5 nF/km
Capacity Unbalance	1600 pF/km
Velocity Propagation	77 %

TEMPERATURE

Operating Temperature Range	-30 to 80 °C
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FIRE PERFORMANCE

CPR Classification	B2ca
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7.50mm
(To Scale)



WC-CAT6-C6-4P24S-BK-B2CA

NOMINAL DIMENSIONS

Conductor Gaug	23 AWG
Insulation Diameter	1.12mm
Outer Sheath Diameter	7.50mm

OUTER SHEATH COLOUR

■ Black

Also available in other colours:

WH	YL	VT	OR	GR	BL	BK	RD	GY
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www.wavecables.com/contact

