

Part Number

WAVE CABLE 

WC-WIEG-W6-3P22S-XX-B2CA

22 AWG 3 PAIR SCREENED LOW SMOKE ZERO HALOGEN CABLE

Internal Ripcord • Flexible copper conductor cores •
B2ca fire rating (CPR)

Version Number
V1.0

Date
03/07/26

CABLE USE CASE

Card Readers, Biometric Readers
-Wiegand Protocol

CABLE CONSTRUCTION

6x 22 AWG, 3xTwisted pair, overall foil shielded

INSULATION

Extruded LSZH (Low Smoke Zero Halogen) to EN 50363 T16/T17

OVERALL SHIELD

Aluminium/polyester foil shield

RIPCORD

Easy-strip ripcord for quick sheath removal.

TWISTING

2 Cores twisted together to form a pair

SHEATH

Extruded LSZH (Low Smoke Zero Halogen)



● Conductor • Collective Screen • Outer Sheath

■ Pair • Pair • Pair • Ripcord

ELECTRICAL CHARACTERISTICS @20°C

Voltage	300 V
Max Conductor Resistance (@20°C)	59 Ω/km
Min Insulation Resistance (@20°C)	M10 Ω/km
Maximum Mutual Capacitance	250 pF/m
Maximum L/R Ratio	25 µH/Ω

TEMPERATURE

Operating Temperature Range	-25 to 75 °C
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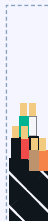
PHYSICAL

Minimum Bend Radius	10 x Ø
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FIRE PERFORMANCE

CPR Classification	B2ca
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6.33mm
(To Scale)



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NOMINAL DIMENSIONS

Conductor Gauge	22 AWG
Insulation Diameter	1.35mm
Outer Sheath Diameter	6.33mm

OUTER SHEATH COLOUR

■ Black

Also available in other colours:

WH	YL	VT	OR	GR	BL	BK	RD	GY
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sales@wavecables.com
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