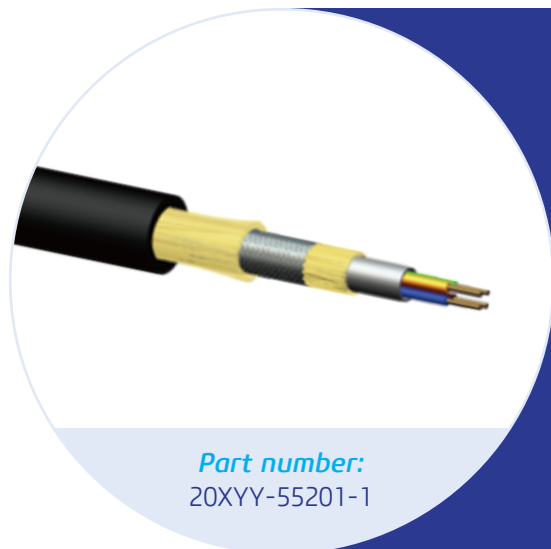


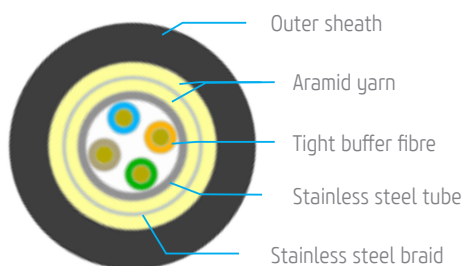
ChimeraX™ Military Field Cable

Military Fielded Linking Fibre Optic Cable



Hermesys ChimeraX™ Military linking fiber optic cable is extremely strong, lightweight, rugged and survivable military fiber optic cable.

In addition to durability, this military cable had to efficiently transmit previously unprecedented volumes of data in the field.



Cross section of part number:
<not to scale>

Features and Benefits

Rugged, tight-buffered fiber optic cable construction for the highest possible survivability in severe crush, impact, vehicle run-over, deployment and retrieval conditions.

Crush resistant and resilient, with two separate layers of aramid strength members in the sub-cables for individual single-fiber connector and termination pin, and overall for termination to multiway connector backshells or other housing

Polyurethane jacketed for abrasion, cut and chemical resistance

Suitable for industrial, mining and petrochemical environments - chemical resistant

Standards

Approval and Listings

IEC 60794-1-2-E1, IEC 60794-1-2-E3
IEC 60794-1-2-F1, IEC 60794-3-10
IEC 60794-1-2-F5B

Flame Resistance

IEC 60332-1-1
IEC 60332-1-2
IEC 61034
IEC 60754-1 & 2

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Specifications

GENERAL SPECIFICATIONS

Environment	Indoor and Outdoor
Application	Temporary connection in harsh environment
Cable Type	Tight buffer cable
Product Type	Military communication cable
Flame Rating	IEC 60332-1
Fibre Category	Full range of fibre
Drum Length	1,000m

TEMPERATURE RANGE

Storage	-40°C ~ 70°C
Operation	-40°C ~ 80°C
Installation	-20°C ~ 70°C

CABLE DESIGN & MATERIAL CHARACTERISTICS

Fibre Count	1/2/4
Fibre Color	EIA/TIA 598 standard
Armouring - 1	Stainless steel tube
Tube Diameter (inside)	Ø 2.2 ± 0.1mm
Tube Diameter (outside)	Ø 2.8 ± 0.1mm
Tube Material thickness	0.3 ± 0.05mm
Gap	0.2 ± 0.1mm
Compression Resistant Strength	≥ 3000N/100mm
Tensile Strength Elements	Aramid yarn
Tensile Strength, Short-Term	≥ 1000N
Tensile Strength, Long-Term	≥ 600N
Armouring - 2	Stainless steel braid
Jacket Material	Flame retardant PU
Jacket Colour	Black
Cable OD	5.0 ± 0.2mm

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MECHANICAL CHARACTERISTICS CABLE

Max. Tensile Strength, Short-Term	1000N
Max. Tensile Strength, Long-Term	600N
Crush Resistance, Short-Term	3000
Crush Resistance, Long-term	1500
Nominal Weight (kg/km)	Approx. 36
Min. Bend Radius Installation	20 * OD
Min. Bend Radius Operation	10 * OD

Ordering information

Part Number	20XYY-55201-1
Sheath Marking	Hermesys ChimeraX Linking Optic Cable 20XYY-55201-1 <Fibre Type> <XXXcore> WWYYYY XXXXM

Notes:

- 1) X = type of Fibre (0/G652D, 1/OM1, 2/OM2, 3/OM3, 4/OM4, 5/G655, 6/G657A1, 7/G657A2, 8/G657B1, 9/G657B2)
2) YY = Number of Core (1/1 core, 2/2 cores, 4/4 cores)

Shipping information

Packaging Method	Wooden drums with protection
Delivery Lengths	Standard delivery length is 1km with a tolerance of $\pm 5\%$