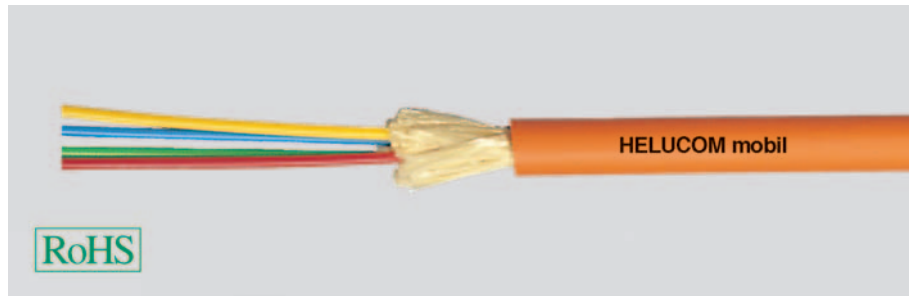


Fibre Optic Cable flexible

WK - mobile

HELUCOM® WK

A-V(ZN)11Y



Cable structure

Core type: Tight buffer
Strain relief elements: Aramide
Outer sheath colour: Orange

Temperature range

Laying, min.: +5°C
Laying, max.: +50°C
Operating, min.: -30°C
Operating, max.: +70°C

Other data

Max. tensile force: 650 N
Max. transverse pressure: 40 N / cm
Longitudinally water-tight acc. to IEC 60794-1-2-F5
UV-resistant
Resistant to hammer impact acc. to IEC 60794-1-2-E6
Bending cycles acc. to IEC 60794-1-2-E6: 500.000
Oil-resistant

Designation	Number of fibres	Fibre type	Outer Ø app. mm	Outer sheath material	Min. stat. bending radius mm	Flame proof	halogen-free	UL	Weight kg / km	Part no.
Fibre-optic cable	2	Multimode G50/125	5,0	PUR	75	yes	yes	no	20	80382
Fibre-optic cable	2	Multimode G62.5/125	5,0	PUR	75	yes	yes	no	20	80363
Fibre-optic cable	4	Multimode G50/125	5,8	PUR	90	yes	yes	no	31	80534
Fibre-optic cable	4	Multimode G62.5/125	5,8	PUR	90	yes	yes	no	31	81036
Fibre-optic cable	4	Single-mode E9/125	5,8	PUR	90	yes	yes	no	31	801727
Fibre-optic cable	8	Multimode G50/125	7,0	PUR	105	yes	yes	no	47	81037
Fibre-optic cable	8	Multimode G62.5/125	7,0	PUR	105	yes	yes	no	47	81038

Dimensions and specifications may be changed without prior notice.

Application

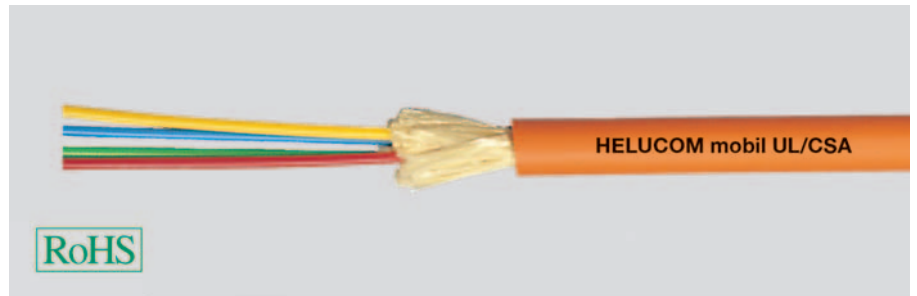
These HELUCOM® cables were designed as mobile field cables. They are easily wound up on a drum and are very tension-proof. As the outer sheath is tightly anchored on the aramid braiding, it is especially suitable for mobile use. The advantage of these cables is evident especially where mobile fibre-optic lines are to be installed, such as for drag chains, TV transmission, supervision of protected areas, etc.

Fibre Optic Cable flexible

WK - UL/CSA

HELUCOM® WK

A-V(ZN)YY



Cable structure

Core type: Tight buffer
Strain relief elements: Aramide
Outer sheath colour: Orange

Temperature range

Laying, min.: 0°C
Laying, max.: +50°C
Operating, min.: -30°C
Operating, max.: +80°C

Other data

Max. tensile force: 1200 N
Max. transverse pressure: 44 N / cm
Longitudinally water-tight acc. to IEC 60794-1-2-F5
UV-resistant
Bending cycles acc. to IEC 60794-1-2-E6: 9.000
Oil-resistant

Designation	Number of fibres	Fibre type	Outer Ø app. mm	Outer sheath material	Inner sheath material	Min. stat. bending radius mm	Flame proof	halogen-free	UL	Weight kg / km	Part no.
Fibre-optic cable	4	Multimode G50/125	7,0	PVC	PVC	75	yes	no	yes	50	802792
Fibre-optic cable	4	Multimode G62.5/125	7,0	PVC	PVC	75	yes	no	yes	50	803934
Fibre-optic cable	4	Single-mode E9/125	7,0	PVC	PVC	75	yes	no	yes	50	803935

Dimensions and specifications may be changed without prior notice.

Application

These HELUCOM® cables were designed as mobile field cables. They are easily wound up on a drum and are very tension-proof. As the outer sheath is tightly anchored on the aramid braiding, it is especially suitable for mobile use. The advantage of these cables is evident especially where mobile fibre-optic lines are to be installed, such as windturbine projects, TV transmission, supervision of protected areas, etc.. This series with PVC jacket is certified according to the **UL/CSA standard OFNG/ FT4**.

R

Fibre Optic Cable flexible

WK robust PUR + PVC (UL/CSA)

HELUCOM® WK

AT-V(ZN)H(ZN)11Y, AT-V(ZN)Y(ZN)Y



Cable structure

Core type: Composite buffered
Strain relief elements: Aramide
Outer sheath colour: Black

Temperature range

Laying, min.: -10°C
Laying, max.: +50°C
Operating, min.: -40°C
Operating, max.: +90°C

Other data

Max. tensile force: 4800 N
Max. transverse pressure: 200 N / cm
Longitudinally water-tight acc. to IEC 60794-1-2-F5
UV-resistant
Resistant to hammer impact acc. to IEC 60794-1-2-E6
Bending cycles acc. to IEC 60794-1-2-E6: 9.000
Oil-resistant

Designation	Number of fibres	Fibre type	Outer Ø app. mm	Outer sheath material	Inner sheath material	Min. stat. bending radius mm	Flame proof	halogen-free	UL	Weight kg / km	Part no.
AT-V(ZN)H(ZN)11Y 4	4	Multimode G50/125	8,5	PUR	ULSZH	100	yes	yes	no	125	803346
AT-V(ZN)Y(ZN)Y 4	4	Multimode G50/125	8,5	PVC	PVC	130	yes	no	yes	125	803348
AT-V(ZN)Y(ZN)Y 12	12	Multimode G50/125	12,4	PVC	PVC	190	yes	no	yes	320	803349
AT-V(ZN)H(ZN)11Y 12	12	Multimode G50/125	12,4	PUR	ULSZH	190	yes	yes	no	320	803347
AT-V(ZN)H(ZN)11Y 12	12	Single-mode E9/125	12,4	PUR	ULSZH	190	yes	yes	no	320	804700

Dimensions and specifications may be changed without prior notice.

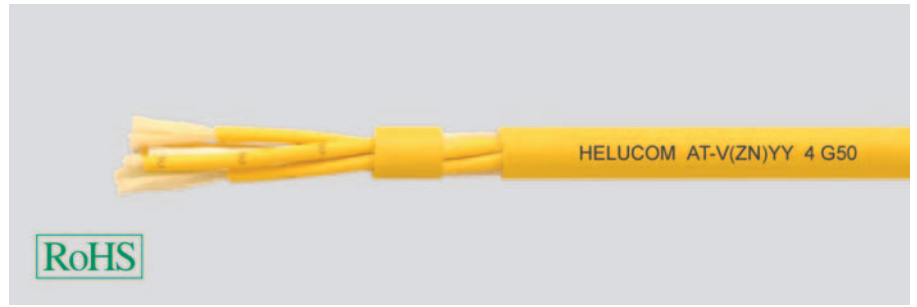
Application

The HELUCOM® WK range is set apart by its extreme rugged yet highly-flexible design. It is used wherever demanding environmental conditions and extreme movements occur. The tight buffer structure enables the cable to be pre-assembled on site with ease. Applications are for example Windturbines, TV transmissions, mobile field applications, etc..

Fibre Optic Cable flexible

HELUCOM® WK

AT-V(ZN)YY



Cable structure

Core type: Composite buffered
Strain relief elements: Aramide
Outer sheath colour: Yellow

Temperature range

Laying, min.: -10°C
Laying, max.: +50°C
Operating, min.: -40°C
Operating, max.: +90°C

Other data

Max. tensile force: 1200 N
Max. transverse pressure: 100 N / cm
UV-resistant
Resistant to hammer impact acc. to IEC 60794-1-2-E6
Bending cycles acc. to IEC 60794-1-2-E6: 15
Oil-resistant

Designation	Number of fibres	Fibre type	Outer Ø app. mm	Outer sheath material	Inner sheath material	Min. stat. bending radius mm	Flame proof	halogen-free	UL	Weight kg / km	Part no.
Fibre-optic cable	4	Multimode G50/125	7,4	PVC	PVC	90	yes	no	no	65	803364

Dimensions and specifications may be changed without prior notice.

Application

The HELUCOM® range is set apart by its extreme rugged yet flexible design. It is used wherever demanding environmental conditions and movements occur. The tight buffer structure enables the cable to be pre-assembled on site with ease. Applications are for example industry applications, TV transmissions, etc..

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