

IV(ZN)H1¹

IV(ZN)H2²

SIMPLEX, DUPLEX AND BREAKOUT CABLE

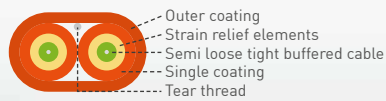
The cables can be used as patch cable, pigtails or for the connection of buildings. They have got a strain relief made of aramid yarn, a non-halogen outer coating (LSZH) and are suitable for direct assembly of connectors. Two simplex cables that are connected via a middle flange, are called „Zipcord“- or „Figure 8“-cable (easily separable). If higher stability and strength is required, two simplex cables can be assembled with an additional outer coating. These cables are called „Figure 0“ or „FlatTwin“.

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Type	Description	Standards			Application
	IV(ZN)H1	IEC 60794-2 · IEC 60332-1-2, -3-22CAT.A · IEC 61034 IEC 60754-1, -2			Interior area
Cable structure	No of fibers	Cable core	Cable coating	Colour of coating	
	1	-	Non-halogen, FRNC	Depending on fiber	
Thermal characteristics	Transport / storage	Laying	Operation		
	-25 °C – +70 °C	-5 °C – +50 °C	-10 °C – +70 °C		
Mechanical characteristics	Min. bending radius static	Min. bending radius dynamic	Max. traction	Max. compressive strength	
	30 mm	60 mm	200 – 400 N	100 – 150 N/dm	

2

Type	Description	Standards			Application
	IV(ZN)H2	IEC 60794-2 · IEC 60332-1-2, -3-22CAT.A · IEC 61034 IEC 60754-1, -2			Interior area
Cable structure	No of fibers	Cable core	Cable coating	Colour of coating	
	2	-	Non-halogen, FRNC	Depending on fiber	
Thermal characteristics	Transport / storage	Laying	Operation		
	-25 °C – +70 °C	-5 °C – +50 °C	-10 °C – +70 °C		
Mechanical characteristics	Min. bending radius static	Min. bending radius dynamic	Max. traction	Max. compressive strength	
	30 mm	60 mm	400 – 600 N	200 – 600 N/dm	



IV(ZN)HH2³

IV(ZN)HH[N]⁴

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Type	Description	Standards			Application
	IV(ZN)HH2	IEC 60794-2 · IEC 60332-1-2, -3-22CAT.A · IEC 61034 IEC 60754-1, -2			Interior area
Cable structure	No of fibers	Cable core	Cable coating	Colour of coating	
	2	-	Non-halogen, FRNC	Depending on fiber	
Thermal characteristics	Transport / storage	Laying	Operation		
	-25 °C – +70 °C	-5 °C – +50 °C	-10 °C – +70 °C		
Mechanical characteristics	Min. bending radius static	Min. bending radius dynamic	Max. traction	Max. compressive strength	
	35 mm	65 mm	400 – 600 N	400 – 600 N/dm	

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Type	Description	Standards			Application
	IV(ZN)HH[N]	IEC 60794-2 · IEC 60332-1-2, -3-22CAT.A · IEC 61034 IEC 60754-1, -2			Interior area
Cable structure	No of fibers	Cable core	Cable coating	Colour of coating	
	4 - 18	Verseilte Einzelelemente	Non-halogen, FRNC	Depending on fiber	
Thermal characteristics	Transport / storage	Laying	Operation		
	-25 °C – +70 °C	-5 °C – +50 °C	-10 °C – +70 °C		
Mechanical characteristics	Min. bending radius static	Min. bending radius dynamic	Max. traction	Max. compressive strength	
	60 – 130 mm	85 – 200 mm	600 – 1200 N	800 N/dm	