

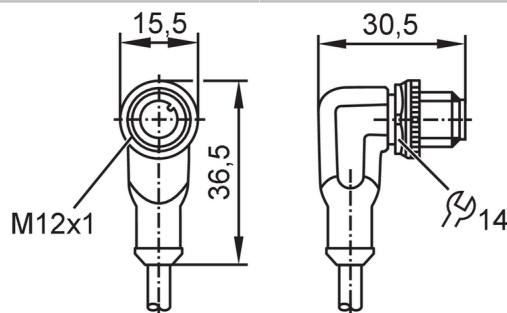
EVC514



All male cordsets

ASTAH050MSS0010H05

Please see the technical note under "Downloads"



Application

Special feature	Free from silicone; Halogen-free; gold-plated contacts; Drag chain suitability
Application	Industrial applications; Oils and coolants
Free from silicone	yes

Electrical data

Operating voltage	[V]	< 60 AC/DC
Protection class		II
Max. current load total	[A]	4
Overall current rating (UL)	[A]	3

Operating conditions

Ambient temperature	[°C]	-25...90
Note on ambient temperature		cULus: ...75
Ambient temperature (moving)	[°C]	-25...90
Note on ambient temperature (moving)		cULus: ...75
Storage temperature	[°C]	-25...55
Storage humidity	[%]	10...100
Other climatic conditions for storage according to stated class		1K22/ DIN 60721-3-1
Protection		IP 65; IP 67; IP 68; IP 69K

Mechanical data

Weight	[g]	361.7
Dimensions	[mm]	30.5 x 15.5 x 36.5
Molded-body material		TPU (urethane)
Material nut		brass, nickel-plated
Drag chain suitability		yes
Drag chain suitability	Bending radius for flexible applications	min. 10 x cable diameter
	Travel speed	max. 3.3 m/s for a horizontal travel length of 5 m and max. acceleration of 5 m/s²
	Bending cycles	> 5 Mio.
	Torsional strain	± 180 °/m

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Remarks	
Notes	Please see the technical note under "Downloads"
Pack quantity	1 pcs.

Electrical connection
Cable: 10 m, PUR, Halogen-free, black, Ø 4.6 mm; 5 x 0.34 mm ² (42 x Ø 0.1 mm)

Electrical connection - plug
Connector: 1 x M12, angled; coding: A; Contacts: 5, gold-plated; Moulded body: TPU (urethane), orange; Locking: brass, nickel-plated; Tightening torque: 0.6...1.5 Nm

Connection	
1	BN
2	WH
3	BU
4	BK
5	GY

BK =

BN =

BU =

GY =

WH =

Core colors :

black

brown

blue

grey

white

Diagrams and graphs													
	A <table border="1"><caption>Derating Curve Data</caption><thead><tr><th>Ambient temperature [°C]</th><th>Current [A]</th></tr></thead><tbody><tr><td>0</td><td>4</td></tr><tr><td>55</td><td>4</td></tr><tr><td>70</td><td>3</td></tr><tr><td>80</td><td>1.5</td></tr><tr><td>90</td><td>0</td></tr></tbody></table> Derating I_{max} * 0.8 DIN EN 60512-5-2 X Ambient temperature [°C] Y Current [A]	Ambient temperature [°C]	Current [A]	0	4	55	4	70	3	80	1.5	90	0
Ambient temperature [°C]	Current [A]												
0	4												
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