Cable carrier | Key for abbreviations | General abbr.

Key for abbreviations on page 16

Design guidelines from page 64

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General abbreviations

a_1 = Hole distance – side edge
a_2 / a_3 = Hole distance – outer edge
a_c = Nominal width inner chamber
a_{max} = Max. travel acceleration
a_T = Distance lateral tabs inside to center of first divider
a_x = Divider center to center distance
b_1 = Inner width of support tray/guide channel
b_2 = Hole distance – channel fixation outside
b_3 = Hole distance – channel fixation inside
b_4 = Support width of the support tray
b_A = Distance between connection boreholes
B_A = Outer width of support tray
B_E = Contanct width of roller
B_{EF} = Overall width of cable carrier incl. attachments
B_G = Total width of support
B_i = Inner width
B_k = Outer width of cable carrier without attachments
B_{KA} = Outer width of guide channel
B_P = Width of base plate
B_R = Width of roller
B_{St} = Stay width
c = Distance between hole stay bores
d = Cable diameter
D = Bore diameter
D_R = Diameter of support roller
d_R = Pipe diameter
D_S = Diameter of wheel flange
G = Bore hole position
H = Connection height
H_A = Axle height of support roller
h_A = Outer height of support tray
h_G = Chain link height
$h_{G'}$ = Chain link height incl. glide shoe
h_i = Inner height
H_i = Inner height of frame stay assembly
h_{KA} = Outer height of guide channel
h_1 = Channel profile height – support height
h_2 = Channel profile height – run-off height
HS = Half-stayed
H_{SR} = Height of the support roller
H_z = Installation height
I = Height channel opening
KR = Bending radius
l_1 = Connection length
l_{2-5} = Connection dimensions
l_A = Length of end connector
L_A = Length of support tray
L_B = Length of carrier in bend
L_D = Length of permissible sag
L_{EF} = Overall length of cable carrier incl. attachments
L_f = Unsupported length
L_k = Cable carrier length without connection
L_{KA} = Channel length
$L_{KA'}$ = Support length
L_P = Length of base plate
L_S = Travel length
L_V = Fixed point offset
n_{RKR} = Number of RKR links
n_T = Number of dividers
n_Z = Number of comb teeth for strain relief
q_k = Intrinsic cable carrier weight
q_z = Additional load
RKR = Reverse bending radius
s / s_1 = Sheet metal thickness
S_H = Thickness of height separation
S_T = Thickness of divider
t = Pitch
T = Slide support width of guide channel
U = Width of U profile
U_B = Loop overhang
VD = Position of continuous height separations in divider
VR = Position of partial height separations in divider
v_{max} = Max. travel speed
VS = Fully-stayed
W_f = Base width of divider
X = Connection distance for opposite arrangement
z = Pretension

Definitions

driver view = view into the driver connection

Pictographs


Inner height


Outer height


Inner width


Outer width

Inner width (B_i) in x mm increments


Pitch


Bending radius


Long travel length


Travel length unsupported


Travel length gliding


High additional load


High travel acceleration


High travel velocity


Guide channel required


Strain relief


Stay arrangement on every 2nd chain link


Stay arrangement on every chain link


Cannot be opened


Opens outward


Opens inward


Opens inward/outward


Swiveling/pressing in outward


Swiveling/pressing in inward


Covered cable carrier


Sliding dividers


Fixable dividers

Fixable dividers in x mm grid


Height separation possible

Height separation in 1 mm increments


Hole stay available

Clean room suitable


Quiet running/low noise


Sold by the meter


Low weight


Roller chain


ESD material

Ex-protection-material


Heat-resistant


Cold-resistant


Resistant to hot chips

Flame-resistant V0 (UL94)

Flame-resistant V2 (UL94)

Order code

Important information