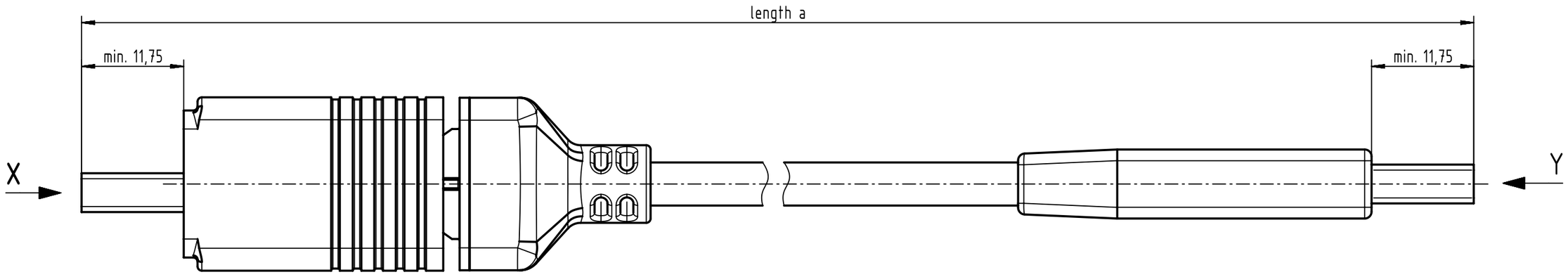
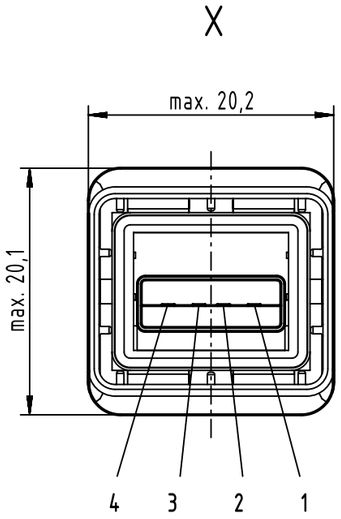
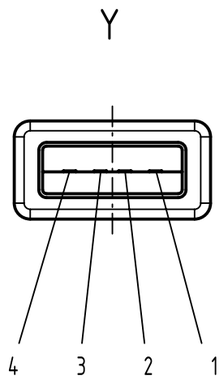


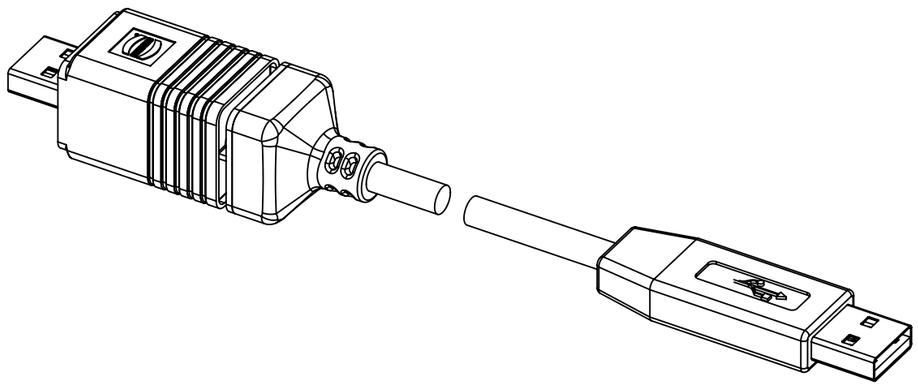




loading-plan

| USB | | | USB |
|---|---|---|---|
| V Bus | 1 | ——— | 1 |
| D- | 2 | ——— | 2 |
| D+ | 3 | ——— | 3 |
| GND | 4 | ——— | 4 |
| Shell | | ——— | Shell |

Shielding (GND)



further information see USB specification 2.0
www.usb.org and
DS 09456230203

| no. | part-no. | description | length a [metre] |
|---|---|---|---|
| 6 | 09451451915 | HARTING PushPull USB2.0 Type A, 1 x PushPull - 1 x IP20 | 5,0 ± 1% |
| 5 | 09451451914 | HARTING PushPull USB2.0 Type A, 1 x PushPull - 1 x IP20 | 3,0 ± 1% |
| 4 | 09451451913 | HARTING PushPull USB2.0 Type A, 1 x PushPull - 1 x IP20 | 2,0 ± 2% |
| 3 | 09451451912 | HARTING PushPull USB2.0 Type A, 1 x PushPull - 1 x IP20 | 1,5 ± 2% |
| 2 | 09451451911 | HARTING PushPull USB2.0 Type A, 1 x PushPull - 1 x IP20 | 1,0 ± 2% |
| 1 | 09451451910 | HARTING PushPull USB2.0 Type A, 1 x PushPull - 1 x IP20 | 0,5 ± 2% |

All Dimensions in mm
Original Size DIN A3

Scale 2:1

Free size tol.

Ref.
Sub. TB 09 45 145 191x Mod: 36366 29.04.11

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Department EC PD - DE

HARTING Electronics GmbH
D-32339 Espelkamp

| Created by | Inspected by | Standardisation | Date | State |
|---|---|---|---|---|
| HASSE | LUETTERMANND | HOFFMANN | 2013-07-05 | Final Release |

Title: HPP V4 USB 2.0 type A, System cable: PushPull - IP20

Doc-Key / ECM-Nr.
100206995/UGD/047/A
500000063810

Type TB | Number 094514519 1X | Rev. A | Page 1/1

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A3