

INDUSTRIAL COMMUNICATION NETWORKS – PROFILES

Part 5-3: Installation of fieldbuses – Installation profiles for CPF 3

CORRIGENDUM 1

Annex A CP 3/1 specific installation profile

A.4.3.2.4 Network characteristics for optical fibre cabling

In Table A.3, add the NA for Multimode silica, POF and Hard clad silica, so that it reads:

Optical fibre type	Description	
Multimode silica	Core diameter (µm)	50
	NA	0,20 ± 0,02
Multimode silica	Core diameter (µm)	62,5
	NA	0,275 ± 0,015
POF	NA	0,50 ± 0,03
Hard clad silica	NA	0,37 ± 0,04

A.4.4.1.2.2 Copper cables for non Ethernet based CPs

In Table A.4, instead of:

“DCR of conductors < 110 Ω/km”

Read:

Characteristic	CP 3/1 (PROFIBUS RS 485)	CP 3/1 (PROFIBUS RS 485-IS) ^a
DCR of conductors	< 55 Ω/km	

Annex C CP 3/3, CP 3/4, CP 3/5, CP 3/6 (PROFINET) specific installation profile

C.4.3.2.4 Network characteristics for optical fibre cabling

Delete, in Table C.3, the second NA for Multimode silica; and

Replace, in Table C.3, the referenced IEC standard and the NA for POF so that it reads:

CP 3/3, CP 3/4, CP 3/5 and CP3/6		
Optical fibre type	Description	
Multimode silica	Core diameter (µm)	50
	NA	0,20 ± 0,02
POF	Standard	IEC 60793-2-40 ^a ; Type A4a.2
	NA	0,5 ± 0,03
^a Edition 3 in preparation.		

C.4.4.1.2.1 Balanced cables for Ethernet based CPs

In Table C.4, instead of:

“DCR of conductors ≤ 115 Ω/km”

Read:

Characteristics	CP 3/3, CP 3/4, CP 3/5 and CP 3/6 (PROFINET) Type A cable
DCR of conductors	< 62 Ω/km

In Table C.5, instead of:

“DCR of conductors $\leq 115 \Omega/\text{km}$ ”

Read:

Characteristics	CP 3/3, CP 3/4, CP 3/5 and CP 3/6 (PROFINET) Type B cable
DCR of conductors	$< 60 \Omega/\text{km}$

In Table C.6, instead of:

“DCR of conductors $\leq 115 \Omega/\text{km}$ ”

Read:

Characteristics	CP 3/3, CP 3/4, CP 3/5 and CP 3/6 (PROFINET) Type C Cable
DCR of conductors	$< 62 \Omega/\text{km}$

C.4.4.1.4 Optical fibre cables

In Table C.8, instead of:

Cable type	Plastic optical fibre and polymer clad fibre cables	
Design	Communication cable	Communication cable
Outer cable diameter (cables for use with PROFINET IP65/67 connectors)	$\leq 9,5 \text{ mm}$	Depending on the application
Numerical aperture	POF: $0,50 \pm 0,05$ PCF: $0,37 \pm 0,04$	

Read:

Cable type	Plastic optical fibre and polymer clad fibre cables	
Design	Communication cable	Communication cable
Outer cable diameter (cables for use with PROFINET IP65/67 connectors)	≤ 9,5 mm	≤ 9,5 mm
Numerical aperture	POF: 0,50 ± 0,03 PCF: 0,37 ± 0,04	

C.4.4.1.4 Optical fibre cables

In Table C.10, instead of:

Cable type	Glass singlemode optical fibre cables
Transmission performance requirements:	
Relevant standard	IEC 60793-2
Type according to IEC 60793-2	B1

Read:

Cable type	Glass singlemode optical fibre cables
Transmission performance requirements:	
Relevant standard	IEC 60793-2-50
Type according to IEC 60793-2	B1