

# NMCS-RFP 5820 Z1 Exhibit-A

## Nebraska Educational Telecommunications Cable and Wire Type & Color Specification

Signal Type	Signal Source	Router I/O *	Color	Wire Type
Analog Audio	Channel 1 - Left	Input	Blue	Clark SPA-22GS - BLU
Analog Audio	Channel 2 - Right	Input	Orange	Clark SPA-22GS - OR
Analog Audio	Channel 3 - SAP	Input	Blue	Clark SPA-22GS - BLU
Analog Audio	Channel 1 - Left	Output	Green	Clark SPA-22GS - GRN
Analog Audio	Channel 2 - Right	Output	Red	Clark SPA-22GS - RED
Analog Audio	Channel 3 - SAP	Output	Green	Clark SPA-22GS - OR
Analog Video	Video	Input	Violet	Clark CD7559 / Belden 1505A
Analog Video	Video	Output	Violet	Clark CD7559 / Belden 1505A
Analog Video	NTSC Reference Black	-----	Violet	Clark CD7559 / Belden 1505A
Analog Video	Tri-Level Sync	-----	Orange	Clark CD7559 / Belden 1505A
AES Audio on Twisted Pair	Ch.1,2	Input	Yellow	Clark SPA-22 - YEL
AES Audio on Twisted Pair	Ch.1,2	Output	Yellow	Clark SPA-22 - OR
AES Audio on Coax	Ch.1,2,3,4	Input	Blue	Clark CV7559 / Belden 1505A
AES Audio on Coax	Ch.1,2,3,4	Output	Blue	Clark CV7559 / Belden 1505A
259 SD Digital Video	Video w/ Embedded Audio	-----	Yellow	Clark CD7559 / Belden 1505A
292 HD Digital Video	Video w/ Embedded Audio	-----	Orange	Clark CD7559 / Belden 1694F
Party Line Data	PL Data	-----	Red	Clark CD7559 / Belden 1505
Bi-Directional Voice	Intercom	-----	Red	Belden CAT5
RS232, 422, 449, 485	Comm Data	-----	Gray	Belden 8723
IP Data / NET Engineering	Gbit EitherNet	-----	Blue	BlackBox GigaTrue CAT6 EYN870A-PB-1000 \ Belden 1872A
IP Data / Multicast	Gbit EitherNet	-----	Red	BlackBox GigaTrue CAT6 EYN868A-PB-1000 \ Belden 1872A
IP Data / UNL-Building	Gbit EitherNet	-----	White	BlackBox GigaTrue CAT6 EYN874A-PB-1000 \ Belden 1872A
IP Data / NET Radio	Gbit EitherNet	-----	Green	BlackBox GigaTrue CAT6 EYN878A-PB-1000 \ Belden 1872A
IP Data / Transfer	Gbit EitherNet	-----	Yellow	BlackBox GigaTrue CAT6 EYN872A-PB-1000 \ Belden 1872A
IP Data / Control	Gbit EitherNet	-----	Gray	BlackBox GigaTrue CAT6 EYN876A-PB-1000 \ Belden 1872A
IP Data / NET IS	Gbit EitherNet	-----	Black	BlackBox GigaTrue CAT6 EYN881A-PB-1000 \ Belden 1872A
IP Data / NET KVM	Gbit EitherNet	-----	Violet	BlackBox GigaTrue CAT6 EYN865B-PB-1000 \ Belden 1872A
IP Data / AoIP	Gbit EitherNet	-----	Orange	BlackBox GigaTrue CAT6 EYN866A-PB-1000 \ Belden 1872A
LAN	ThinNet	-----	Brown	Belden 8240
Fiber Optic	Single Mode	-----	Yellow	TBD
Fiber Optic	Multimode	-----	Orange	TBD
RF	70Mhz -	-----	Black	Clark CD7559 / Belden 1505A

\*All cables are referenced to the router.  
Last modified: 1/25/2018